

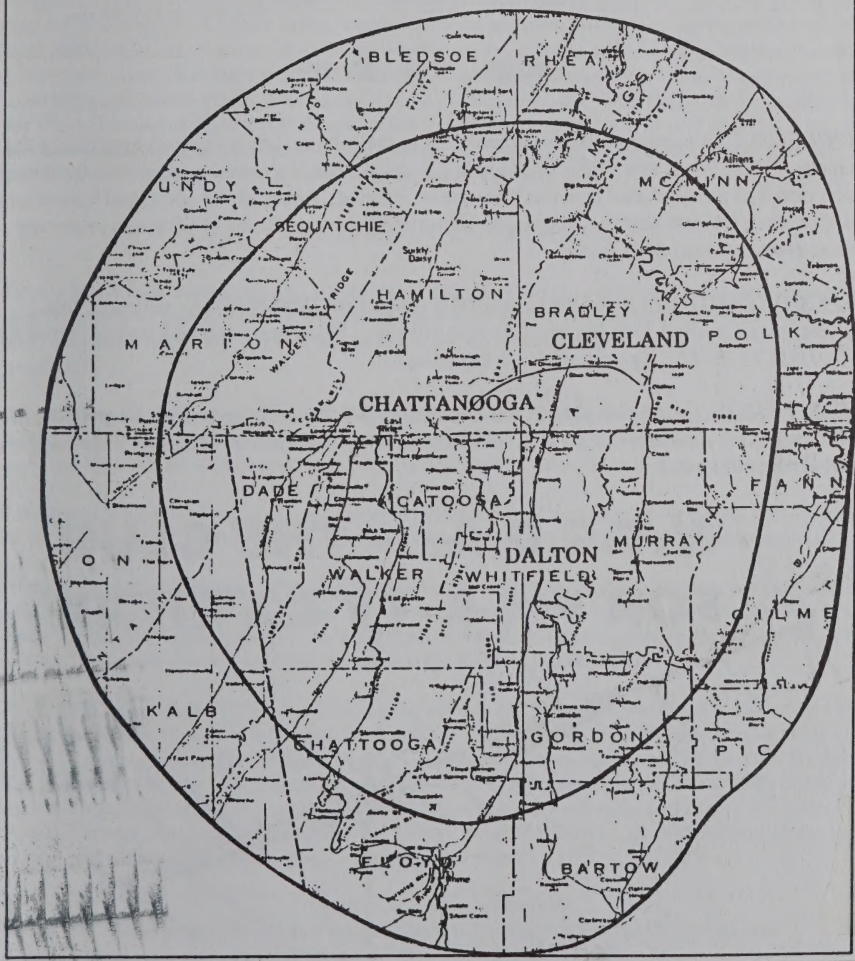
# Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

FEBRUARY 1999

**TV 53 WFLI**

Reaches 30 counties  
Antenna height above mean  
sea level 2049



# **WORLDWIDE TV-FM DX ASSOCIATION**

*Serving the VHF-UHF Enthusiast*

THE VHF-UHF DIGEST IS THE OFFICIAL PUBLICATION OF THE WORLDWIDE TV-FM DX ASSOCIATION, DEDICATED TO THE OBSERVATION AND STUDY OF THE PROPAGATION OF LONG DISTANCE TELEVISION AND FM BROADCASTING SIGNALS AT VHF AND UHF. WTFDA IS GOVERNED BY A BOARD OF DIRECTORS: TOM BRYANT, GREG CONIGLIO, BRUCE HALL, DAVE JANOWIAK, AND BILL THOMPSON.

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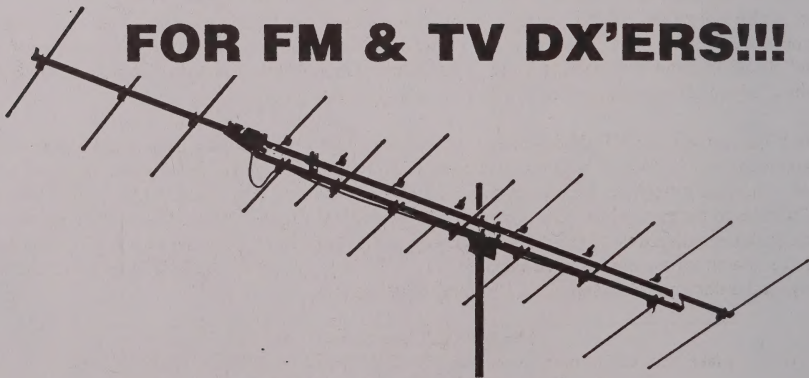
## **FROM THE STAFF:**

**APOLOGIES:** A number of factors contributed to the extreme late printing and mailing of the January VUD. While every effort is made to get this publication to you as soon after the first of each month as possible, that goal can't always be attained. Again, we're sorry, and hope it won't happen again (at least anytime soon). The Editor/Publisher and Board of Directors regret any inconvenience it may have caused.

**1999 CONVENTION:** If you are interested in hosting the 1999 WTFDA convention this August, please contact Tom Bryant as soon as possible. His address can be found as part of the "TV TIME TUNNEL" logo elsewhere in this issue.

**STAY TUNED:** Coming up soon in this space; the 1998 financial report from Comptroller Dave Janowiak; a statement regarding our club's relationship with ANARC; and some computer-related items of interest.

## **W.T.F.D.A. -- THE CLUB FOR FM & TV DX'ERS!!!**







## WTFDA MAILBOX

P.O. Box 501  
Somersville, CT 06072

Mike Bugaj

Ikon@netcom.com

### NEW MEMBER

Winston Smith, Sunrise FL  
Gil Morgan, Santa Ana, CA(rejoins)

### RENEWALS

And so, it's February again. And for most of us it means snow, ice, sleet, frigid temperatures and a complete lack of TV or FM DX. But never fear...the Mailbox is here and so are the people who renewed for another year: **Jim Thomas, Melvyn Larson, John Erdner, Dave Janowiak** (he better renew...he has the club's checkbook), **Chester Jaffee, David Markson and Rick Shafton**. According to the email I have from **Winston Smith**, it seems like I should be able to find Winston somewhere in Jamaica swinging on a hammock. And if **Gil Morgan** was wondering just who gave him a membership for a year, well it was none other than **Santa Claus**, who made a special trip here from the North Pole to make certain Gil gets his VUDs. I'm wondering if this is the same Gil Morgan that I met back in 1971-72 when I was young and just married and living in an apartment in Anaheim, CA. Anyway, folks, lets throw a log on the fire, make ourselves comfortable and check out the goodies in the February VUD.

### DIGITAL TV IN ATLANTA

Here's **Jim Ayers**, commenting on the digital tv articles in the last Mailbox: "Interesting comments on digital TV in your latest Mailbox! We already have three digital stations on-air in Atlanta with a CP for a 4<sup>th</sup> one. Both of my best tropo indicator channels are scheduled to be taken away by digital locals, eventually.

Too bad the analog counterparts to these digital stations aren't signing off as the digital ones come on. That would remove channel 2, 11, and 46 right now, plus channel 5 in the near future, as well. Then I'd have only one local left on VHF instead of the four that will all be on until the final day of analog, I'd guess.

I recognize these digital signals on my analog set thanks to the description of the signals provided by one of the club members in Houston, i.e., the "dark snow" you see from the digital signal on the analog rx.

There's also a distinctive audio "chugging" sound associated with the digital signals, but only one of my sets produces audio of this description. The other set (the far better receiver) produces the same "white noise" sound on a digital signal that we're all familiar with from vacant channels. This regular white noise is what I assume it should sound like for the average Dxr on a good receiver".

Well, folks, just recently WTNH-8, which is local strength and 50 miles south, began transmitting a digital signal on channel 10. What I have found is that the WTNH digital signal is an impenetrable solid wall of snow. It looks no different to me than an empty UHF channel. To my east I have WJAR-10 in Providence, RI, 70 miles to the east, which puts in a good solid semi-local signal in color. The WTNH digital signal makes it almost impossible to see WJAR now. All I get is some weak audio and a trace of a video signal. And this is with my antenna pointed east into WJAR. No doubt about it...the VHF band is starting to get messy, and unfortunately for all of us, it's going to get worse.

---

Join **DWAL** (Dxers without a life)

Make some coffee, open a beer, join us on **IRC CHAT** on **IRCNET** Tue or Fri nites

Channel **#WTFDXA** opens at 10pm EST

Trouble downloading mIRC? Email me. I'll download it and send it to you on disks.

## VOTE FOR YOUR FAVORITE WEB SITE

Folks, I know a lot of you have computers out there. And there are some WTFDAers who have some great DX related web sites for you to visit. Why not visit the sites listed below, judge them for appearance and quality of information presented, and email me with your favorite and runner up sites. Next month we will publish the results right here. And yes, you can vote for your own site if you want to. I won't tell anyone. Here are the sites for your consideration:

1. **John Zondlo's site** <http://members.aol.com/fmdxweb/>  
Southern FM column, DX alerts, lots of links to other clubs, fm dxing explained.
2. **Paul Mount's site** <http://members.aol.com/pmountnj/>  
Info on mIRC, airchecks, all about Paul's dog Strider, etc
3. **Pat Dyer's site** <http://home.swbell.net/pjdyer/index.html>  
DX logs, VHF propagation, WWV, 50mhz sites, etc
4. **Eric Bueneman's site** <http://members.aol.com/n0uiheric/k-index.html>  
Photos, bandscans, logbooks, etc.
5. **Doug Smith's site** <http://personal.bna.bellsouth.net/bna/w/9/w9wi/index.htm>  
TV databases, USA/Canada/Mexico, digital tv, lptvs, etc
6. **Matt Sittel's site** <http://ourworld.compuserve.com/homepages/msittel/home.htm>  
Weather Radio Page, Matt's NOAA page, weatheradio sites, dx photos, TV Guide info
7. **Chip Kelley's site** <http://www.metronet.com/~chipk>  
USA TV database, also by state (TX,OK,LA)

## EMAIL FROM THE FRIGID NORTH

This from John Ebeling: "Enjoyed the Dec. column of yours concerning the "Blast from the Past" regarding the old WTFDA TV Station Guide. I still have my dog-eared copy (red cover) and use it at the cabin in Prosit, MN. As you know, I primarily DX FM, but do keep track of TV Es as well. My issue is used as my log of TV stations I've received. It would be nice if, somehow, a new issue could be compiled. Looking at all the UHF changes happening now, perhaps a Channel 2-13 guide would be most likely to happen. Bring up the idea to the club members and see if any response is received. *I would be willing to put some time to the project if it ever happens.* About three or so years ago there was an attempt by someone to provide an updated LOW CHANNEL VHF guide showing logos of stations. I know I sent in logos from stations in the Twin Cities area. Perhaps an updated version of that might suffice." Would you be interested in creating a new Station Guide? You can contact John at [ljebeling@aol.com](mailto:ljebeling@aol.com), or write the mailbox.

## MISC MAILBOX

Well, there's a little space left for some odds 'n ends. By now you all know that the January VUD was mailed out late due to weather problems in Buffalo. After I received a message from Bill about the situation I tried emailing as many people as possible. Unfortunately, many of those messages bounced back. Then I posted the information on the qth.net server for those members who subscribe to that dx list. However, many of you had no idea that the VUD would be late, and there wasn't much else we could do except ask those who knew about the delay to pass the info on to those who didn't. Anyway, sooner or later the snow will melt in Buffalo, the sun will come out, the birds will sing, and the VUD will be back on schedule.

Next month we'll have part of an email I got recently from a TV Dixer in Argentina. And if turns out to be a slow month, I'll add some email from dxers in England and Australia. That's it for February. Keep warm, and remember, don't forget to write! -Mike



# TV News

Douglas E. Smith W9WI  
1385 Old Clarksville Pike  
Pleasant View, TN 37146-8098  
w9wi@bellsouth.net

February 1999

# non-commercial station  
nc no change

## Applications for new stations

| St | Ch  | ERP   | Ht. | City          | Applicant  | Latitude | Longitude |
|----|-----|-------|-----|---------------|------------|----------|-----------|
| AZ | 29^ | 707   | 527 | Phoenix       | #KAET [8]  | 33-20-00 | 112-03-49 |
| CA | 61^ | 148.8 | 948 | Long Beach    | KSCI [18]  | 34-13-37 | 118-03-58 |
| CA | 43^ | 300   | 947 | Los Angeles   | KCAL [9]   | 34-13-38 | 118-04-00 |
| CA | 53^ | 1000  | 566 | Sacramento    | #KVIE [6]  | 38-16-18 | 121-30-18 |
| CA | 18^ | 145   | 580 | San Diego     | KUSI [51]  | 32-41-50 | 116-56-04 |
| CA | 19^ | 200   | 428 | San Francisco | KBWB [20]  | 37-45-19 | 122-27-06 |
| CA | 12^ | 8.9   | 834 | San Jose      | KNTV [11]  | 37-06-40 | 121-50-34 |
| CA | 49^ | 200   | 688 | San Jose      | KSTS [48]  | 37-29-57 | 121-52-16 |
| GA | 23^ | 200   | 413 | Savannah      | WJCL [22]  | 32-03-29 | 81-20-19  |
| IL | 47^ | 200   | 465 | Chicago       | #WTTW [11] | 41-52-44 | 87-38-10  |
| IN | 36^ | 50    | 455 | Hammond       | WJYS [62]  | 41-52-44 | 87-38-10  |
| MA | 21^ | 1000  | 466 | Minneapolis   | WFTC [29]  | 45-04-05 | 93-10-29  |
| TN | 27^ | 946   | 411 | Nashville     | WKRN [2]   | 36-02-50 | 86-49-49  |
| WI | 34^ | 833   | 340 | Milwaukee     | WISN [12]  | 43-06-42 | 87-55-42  |

WJYS-DT specifies an antenna on the Sears Tower in Chicago, some 40km north of its current site. I wonder if that can be granted, in light of the presence of NTSC station WMVT on channel 36 in Milwaukee, just 150km to the north?

## Construction permits granted for new stations

| St | Ch  | ERP  | Ht./Call | City        | Applicant | Latitude | Longitude |
|----|-----|------|----------|-------------|-----------|----------|-----------|
| CA | 44^ | 46   | 642      | Clovis      | KGMC [43] | 36-44-46 | 119-16-57 |
| MA | 29^ | 46   | 457      | Worcester   | WUNI [27] | 42-20-07 | 71-42-54  |
| NM | 14- | 5000 | 376      | Albuquerque | Roberts   | 35-46-50 | 106-31-35 |
| NY | 28^ | 178  | 448      | New York    | WNBC [4]  | 40-42-43 | 74-00-49  |
| VI | 15z | 75.6 | 348      | C'sted      | Winstar   | 17-45-20 | 64-47-55  |

New-station permits expired, dismissed, etc.:

| St | City        | Ch | # permits | St | City          | Ch | # permits |
|----|-------------|----|-----------|----|---------------|----|-----------|
| NM | Albuquerque | 14 | 3         | VI | Christiansted | 15 | 2         |

## Applications to change existing stations

| St | Ch  | ERP  | HAAT | City       | Call    | Latitude | Longitude |
|----|-----|------|------|------------|---------|----------|-----------|
| CA | 19+ | 9.93 |      | Indio      | K19DH   |          |           |
| CA | 53+ | 9.40 |      | Indio      | K53EL   |          |           |
| CA | 18- | 2375 | 944  | Long Beach | KSCI    | 34-15-37 | 118-03-58 |
| MA | 5-  | 61.7 | 395  | Boston     | WCVB-TV |          |           |

## Applications to change construction permits

| St | Ch  | ERP  | HAAT | City          | Call    | Latitude | Longitude |
|----|-----|------|------|---------------|---------|----------|-----------|
| AR | 23z | 22.4 | ~105 | El Dorado     | K23EP   | 33-12-10 | 92-39-06  |
| CO | 19^ | 1000 | nc   | Denver        | KTVD-DT |          |           |
| MA | 31^ | nc   | 330  | Boston        | WFXT-DT |          |           |
| OH | 55+ | 12.5 |      | Centerville   | WWRD-LP |          |           |
| OR | 32z | nc   | nc   | Salem         | KWBP    | 45-00-35 | 122-20-17 |
| TX | 59n | 8.61 |      | Plainview     | K59GC   | 34-13-14 | 101-42-54 |
| VI | 27z | 26.7 | nc   | Christiansted | WCVI-TV |          |           |
| VT | 39z | 23.4 |      | Barre         | WBVT-LP | 44-10-35 | 72-26-39  |

## Changes granted to existing stations

| St | Ch  | ERP  | HAAT | City          | Call    | Latitude | Longitude |
|----|-----|------|------|---------------|---------|----------|-----------|
| CA | 51z | nc   | nc   | San Diego     | KUSI-TV | 32-41-49 | 116-56-05 |
| IL | 26z | 5000 | nc   | Chicago       | WCIU-TV |          |           |
| LA | 8+  | nc   | nc   | Monroe        | KNOE-TV | 32-11-50 | 92-04-14  |
| MN | 58n | 7    | ~250 | Minneapolis   | K58BS   |          |           |
| NC | 26- | 2350 | nc   | Wilmington    | WSFX-TV |          |           |
| OK | 52z | 3000 | 461  | Oklahoma City | KSBI    | 35-35-54 | 97-29-25  |
| ON | 11- | 162  | note | Kingston      | CKWS-TV |          |           |
| PA | 23- | 700  | nc   | Altoona       | WATM-TV |          |           |
| SC | 25- | 5000 | 518  | Columbia      | WOLO-TV | 34-06-59 | 80-45-50  |
| TN | 19z | 3890 | 705  | Kingsport     | WKPT-TV |          |           |
| TX | 11- | nc   | 518  | Fort Worth    | KTVT    |          |           |
| VA | 13- | 177  | 363  | Hampton       | WVEC-TV | 36-49-00 | 76-28-06  |

CKWS-TV's HAAT has increased, but the notice didn't mention the new figure. The Industry Canada database says 257 meters, but it also says the power is 325KW...

## Changes granted to construction permits

| St | Ch  | ERP  | HAAT | City              | Call    | Latitude | Longitude |
|----|-----|------|------|-------------------|---------|----------|-----------|
| AL | 28- | 16.3 | ~122 | Birmingham        | W28BR   | 33-28-18 | 86-50-03  |
| CA | 31^ | 310  | nc   | Los Angeles       | KTLA-DT |          |           |
| FL | 48z | 30   | ~161 | Miami             | W48CI   |          |           |
| IL | 34z | 0.5  | ~450 | Arlington Heights | W34CK   | 41-52-44 | 87-38-10  |
| MN | 47- | 1500 | nc   | Rochester         | KXLT-TV |          |           |
| NE | 17z | 3890 | 186  | Grand Island      | KTVG    | 40-43-44 | 98-34-13  |
| NM | 19- | 5000 | 376  | Santa Fe          | KWBQ    | 35-24-44 | 106-43-32 |
| SD | 5+  | nc   | 299  | Mitchell          | KDLV-TV |          |           |
| SD | 46z | 4000 | 589  | Sioux Falls       | KDLT-TV |          |           |
| VA | 39+ | 50   | ~131 | Newport News      | W39BW   | 36-51-40 | 76-21-12  |

W34CK's new site is on the Sears Tower in downtown Chicago.

### Changes expired, dismissed, etc.

| St | City        | Ch | Call  | St | City        | Ch | Call |
|----|-------------|----|-------|----|-------------|----|------|
| AK | Anchorage   | 6  | K06LY | FL | Panama City | 28 | WPGX |
| CA | National C. | 61 | K61GH |    |             |    |      |



**LPTV Displacement applications**

| St | City        | Call    | Fm  | To  | St | City        | Call    | Fm  | To  |
|----|-------------|---------|-----|-----|----|-------------|---------|-----|-----|
| CA | Payne's Ck. | K20FP   | 20z | 38+ | OH | Eastlake    | W67AL   | 67n | 63+ |
| CA | Sta. Barb.  | K61AI   | 61n | 26z | OR | Eugene      | K63GC   | 63- | 36+ |
| CA | Sta. Barb.  | KWHY-LP | 65n | 22+ | OR | Eugene      | K68BF   | 68n | 21- |
| CO | Bayfield    | K63BN   | 63n | 50- | OR | Hood River  | K40AM   | 40n | 34+ |
| CO | Ft. Collins | K35EQ   | 35- | 56- | SC | Myrtle Bch. | W67DI   | 67z | 28  |
| FL | Fort Myers  | W67BY   | 67- | 17+ | TX | Abilene     | K63FL   | 63n | 56+ |
| FL | Fort Myers  | W67BY   | 67- | 38+ | TX | Big Spring  | K30DW   | 30n | 46+ |
| FL | Palatka     | WJGV-LP | 49- | 48  | TX | Clear Lake  | KJIB-LP | 5-  | 34z |
| MN | Duluth      | KDUL-LP | 60+ | 12z | TX | Ft. Stocktn | K30EI   | 30n | 25+ |
| MN | La Crescent | KQEG-LP | 50n | 23- | TX | Livingston  | KETX-LP | 5+  | 7+  |
| NM | Carlsbad    | K63CK   | 63z | 59+ | TX | Seminole    | K45EG   | 45n | 49+ |
| NM | Clovis      | K65BT   | 65n | 34+ | TX | Welch       | K19DK   | 19n | 54+ |
| NM | Hobbs       | K18DK   | 18- | 52+ | UT | Tooele      | K24CQ   | 24n | 54n |

W12BK Nappanee, Indiana requests a substantial power increase & move to Niles, Michigan. Yes, W67BY really did file two displacement applications for two different channels.

**LPTV Displacements granted**

| St | City        | Call    | Fm  | To  | St | City     | Call  | Fm  | To  |
|----|-------------|---------|-----|-----|----|----------|-------|-----|-----|
| AL | Tuscaloosa  | WJRD-LP | 49+ | 7+  | NM | Carlsbad | K47FX | 31n | 47+ |
| FL | Coral Sprs. | WHDT-LP | 55+ | 44+ | NM | Grants   | K46FI | 20n | 46+ |
| FL | W Palm Bch. | W57CX   | 53n | 57+ | OH | Masury   | W31BW | 40- | 31- |
| LA | Crowley     | KFAM-LP | 65n | 59n |    |          |       |     |     |

W31BW (ex-W40AM) specifies a transmitter site in Pennsylvania.

**LPTV Displacements Dismissed/Denied**

| St | City       | Call  | Fm  | To  | St | City     | Call  | Fm  | To  |
|----|------------|-------|-----|-----|----|----------|-------|-----|-----|
| AR | Fayettevl. | K36EA | 36+ | 32z | MI | Dearborn | W68CH | 68- | 33+ |
| AR | Paris      | K60EP | 60n | 51+ | OK | Nowata   | K60EX | 60n | 25+ |
| MA | Dennis     | W67BA | 67n | 24+ | OK | Poteau   | K50CO | 50n | 16+ |

W67BA still has an active application for channel 33z.

**Technical changes on the air**

| St | Ch  | Call    | City      | What happened  |
|----|-----|---------|-----------|--|
| PA | 7+  | W07DC   | Allentown | move from ch. 26-, decrease power 1.7KW>100 watts. (Ex-W26AD)                                |
| UT | 12- | KUTN-LP | Logan     | increase power 39 watts>1.37KW, increase tower height 331m, move about 12km north-northeast. |

**New stations on the air or requesting operating license**

| St | Ch  | ERP  | HAAT | Call    | City          | Latitude | Longitude |
|----|-----|------|------|---------|---------------|----------|-----------|
| AR | 54  | ?    |      | K54ER   | Jonesboro     |          |           |
| AZ | 52z | 1.24 | ~131 | K52EG   | Yuma          | 34-40-23 | 114-20-16 |
| CA | 36^ | 380  | 991  | KNBC-DT | Los Angeles   | 34-13-32 | 118-03-52 |
| CA | 50z | 1.06 |      | K50EW   | Lucerne Vly.  | 34-27-47 | 116-52-44 |
| CA | 24^ | 561  | 437  | KGO-DT  | San Francisco | 37-45-19 | 122-27-06 |
| IN | 9^  | 15.8 | 284  | WISH-DT | Indianapolis  | 39-53-25 | 86-12-20  |
| IN | 46^ | 250  | 267  | WTHR-DT | Indianapolis  | 39-55-43 | 86-10-55  |

## New stations on the air or requesting operating license

| St | Ch  | ERP          | HAAT       | Call    | City         | Latitude | Longitude |
|----|-----|--------------|------------|---------|--------------|----------|-----------|
| LA | 11+ | 316          | 540        | KAQY    | Columbia     | 32-05-41 | 92-10-39  |
| MA | 20^ | 200          | 191        | WCVB-DT | Boston       | 42-18-37 | 71-14-14  |
| MI | 18- | 17.4         | ~60        | W18BT   | Alpena       | 45-09-22 | 83-27-54  |
| NV | 7+  | 0.89         | 650        | KWNV    | Winnemucca   | 41-00-41 | 117-45-59 |
| OH | 21^ | 440          | 212        | WBNS-DT | Columbus     | 39-58-16 | 83-01-40  |
| OH | 30z | 1350<br>2040 | 357<br>358 | WHCP    | Portsmouth   | 38-45-42 | 83-03-41  |
| OR | 11- | 316          | 472        | KAUP    | Pendleton    | 45-44-51 | 118-02-11 |
| PA | 26^ | 770          | 375        | KYW-DT  | Philadelphia | 40-02-33 | 75-14-33  |
| TX | 41^ | 891          | 506        | KXAS-DT | Fort Worth   | 32-35-07 | 96-58-06  |
| WV | 56- | 47.4         | ~90        | W56DT   | Charleston   | 38-22-32 | 81-39-25  |
| WV | 28+ | 0.95         |            | W28AS   | Wheeling     | 40-03-41 | 80-45-08  |

K54ER is not in the FCC Database. WHCP [30] operated briefly as WUXA before going dark with financial problems in the early 1980s. It operated on a construction permit & never got an operating license.

### Stations deleted/dismissed/off air/etc.

| St | Call  | St | Call  | St | Call  | St | Call  | St | Call  |
|----|-------|----|-------|----|-------|----|-------|----|-------|
| FL | W16BH | IA | K14JR | ID | K51FI | MS | W46CP | MS | W64CJ |
| OK | K65GO | WI | W34CG | NY | W64AA |    |       |    |       |

The Duluth, Minnesota wireless-cable system has been reported dark. Stations involved are K15DU, K27EH, K30ED, K32DQ, K34DY, K38DS, K56FH, and K60EZ. As you can see in *LPTV Displacements*, K60EZ has been sold, changed calls, and presumably plans to return to the air.

## Call changes

| Was:  | Now:    | City:       | Ch | Was:  | Now:    | City:        | Ch: |
|-------|---------|-------------|----|-------|---------|--------------|-----|
| K39BI | KDTP-LP | Phoenix, AZ | 39 | WAZW  | WTPX    | Antigo, WI   | 46  |
| K52AO | KUVE-LP | Tucson, AZ  | 52 | KPSG  | KAUT-TV | Okla. C, OK  | 43  |
| WPXO  | KPXJ    | Minden, LA  | 21 | W32BQ | WHVI-LP | Knoxvl., TN  | 32  |
| K60EZ | KDUL-LP | Duluth, MN  | 60 | W10BI | WVIE-LP | Nashvl., TN  | 10  |
| New   | KAPX    | Albuq., NM  | 14 | K59FQ | KUNU-LP | Victoria, TX | 59  |
| K61EQ | KYNM-LP | Albuq., NM  | 61 | K39DH | KTLE-LP | Ogden, UT    | 39  |

## Programming changes

| Call         | Location         | Programming  |
|--------------|------------------|--|
| W15AZ        | Alabaster, AL    | sold to Birmingham religious school.   |
| K48DY        | Coalinga, CA     | sold to owner of KGMC [43]. (but he owns many area LPTVs with other programming) |
| KWOK [68]    | Novato, CA       | sold to former owners of WCFC [38] Chicago, a religious group.                   |
| W48CI        | Miami, FL        | back on the air with HSN.  |
| WBSV-TV [62] | Venice, FL       | sold to Univision.   |
| WREP-LP [15] | Martinsville, IN | sold to local school district.   |
| KAQY [11]    | Columbia, LA     | new, ABC for Monroe.   |
| WLPC-LP [26] | Detroit, MI      | CTN religion.  |
| WDWO-LP [44] | Detroit, MI      | TBN.   |



## Programming changes

| Call      | Location         | Programming   |
|-----------|------------------|---|
| WADL [38] | Mt. Clemens, MI  | general independent, plus Fox Kids. <u>Not</u> Pax.             |
| K45CA     | C. Girardeau, MO | sold to WTCT [27], religious/TBN.                               |
| KAPX [14] | Albuquerque, NM  | presumably will be Pax when built.                              |
| K06BN     | Wagon Mound, NM  | sold to KRQE [13], CBS.   |
| KWNV [7]  | Winnemucca, NV   | new, satellite of KRNW [4], NBC.                                |
| WMHQ [45] | Schenectady, NY  | sold to Sinclair, to go from PBS to a commercial net (prob. WB) |
| KAUP [11] | Pendleton, OR    | reported new to air with Fox.                                   |

## Forum & Other Stuff

Thanks to Danny Oglethorpe, Fernando Garcia, Karl Zuk, Chip Kelley, and Jeff Kadet for information appearing elsewhere in this column.

Fernando reports the "FTN" religious network in southern Texas is planning three more affiliates in 1999. Channel 28 in Brownsville is K17EK. (This was originally granted for channel 17, and then rather quickly realized channel 17 wouldn't work with full-power XHFOX operating just across the border! It has applied to move to channel 28.) Also mentioned are a channel 25 (presumably K69HZ McAllen, which is being displaced by DTV and has applied for channel 25) and a channel 21. (I'm presuming K67HC McAllen, also being displaced by DTV. I suppose K20FK Brownsville - yet another DTV victim - is a possibility.)

Fernando has also received an e-mail from ex-member Chris Dunne in Florida, reporting W48CI back on the air with HSN. This is the former W27AQ.

Danny and Jeff Kruszka both provided early reports of KAQY [11] testing, and coming on the air with ABC. I saw the station myself a few days later, with the general manager welcoming viewers. Danny also reports KMSS [33] Shreveport off the air as of 8 December 1998, due to antenna problems. I would presume it's now back on the air, though I've not heard that for certain. Bad weather would certainly have made repair difficult!

Frequent Es target XHFM [2] Veracruz made an appearance at Danny's location on New Year's Day. They're using new Ids & promos which use their calls and a large "Canal 2" logo.

The channel 21 station at Minden (Shreveport), Louisiana had originally been assigned WPXO, and used those calls on the air. A quick look at a map shows Minden is quite a distance west of the Mississippi River; the station should never have been assigned a W call. I'm not sure whether the FCC realized its mistake & required the call change, or if Paxson decided to ask for it. The Public Notice treated it as the assignment of the first callsign to a totally new station.

KAUP [11] is in the Richland/Pasco/Kennewick/Yakima (Washington) market, which already has two Fox affiliates, KBWU-LP [66] and KCYU-LP [68]. However, the KAUP transmitter is at least 80km east-southeast of the other Richland/Pasco/Kennewick transmitters - and even further from Yakima. I doubt KCYU's Fox affiliation is in jeopardy. KBWU's might be but I wouldn't bet on that either.

I've found some DTV information from other countries. The Canadian DTV plan is fundamentally similar to the US plan, except that Canada considered low-power stations in their allocation decisions. Also, where a Canadian station is operating at less than the maximum power for its "class", its DTV channel will be allocated on the assumption it is using maximum power. (Canada has six "classes" of TV station - the U.S. only has two, "full power" and "LPTV", and the latter is not considered in DTV channel allocations) The plan I have is dated June 1997 (and thus has presumably since been revised) but indicates first priority in Canada is to use channels 7-13, then 14-59, then 2-6, then 60-69 as a last resort. Power limits (if I read things properly..) are 6.97KW on channels 2-6, 3.33KW on 7-13, and 254.1KW on UHF.

Well, I've seen absolutely no winter Es here this year... Did have a couple of interesting tropo openings before the cold weather set in, including a logging of new KAQY [11]. It's not every day you see a completely new high-band VHF station! Here's hoping you're seeing interesting DX wherever you are...

# Canadian DTV Channel Plan

I've recently acquired a copy of the Canadian DTV plan. It should be noted this channel table is dated June 1997 - and thus has probably been revised somewhat since then. For reasons of space, I've deleted all stations of class "LP" and all unused allocations. (unlike the US, the Canadian plan did allocate DTV channels for unused NTSC allocations and for LPTVs.) The table shows first the province, then the city, then the call sign, then the old (NTSC) channel, and finally the new (DTV) channel. All stations whose calls don't start with the letters "CB" - or which do start with "CB" but the last letter isn't "T" - have a -TV in them. For example, the first station in the table is actually CFRN-TV-4, and the channel 12 (NTSC) station in Etzikom, AB is CBCA-TV-1. There were two discrepancies in the table; the notes appear at the end.

| Pr | City            | Call    | Fm | To | Pr | City             | Call     | Fm | To |
|----|-----------------|---------|----|----|----|------------------|----------|----|----|
| AB | Ashmont         | CFRN-4  | 12 | 43 | AB | Hinton           | CBXFT-7  | 3  | 13 |
| AB | Athabasca       | CFRN-12 | 13 | 41 | AB | Hinton           | CBXT-3   | 8  | 20 |
| AB | Athabasca       | CBXT-1  | 8  | 16 | AB | Jean d'Or        | CBXAT-9  | 13 | 7  |
| AB | Bonnyville      | CBXFT-1 | 6  | 54 | AB | Lac la Biche     | CBXT-5   | 10 | 46 |
| AB | Bonnyville      | CKSA-2  | 9  | 33 | AB | Lac la Biche     | CFRN-5   | 2  | 39 |
| AB | Burmis          | CISA-1  | 3  | 22 | AB | Lethbridge       | CBRT-6   | 10 | 19 |
| AB | Burmis          | CBRT-8  | 47 | 32 | AB | Lethbridge       | CFCN-5   | 13 | 43 |
| AB | Burmis          | CFCN-4  | 5  | 18 | AB | Lethbridge       | CJIL     | 17 | 33 |
| AB | Calgary         | CIAN    | 13 | 51 | AB | Lethbridge       | CKAL-1   | 2  | 46 |
| AB | Calgary         | CBRFT   | 16 | 21 | AB | Lethbridge       | CBXFT-3  | 23 | 31 |
| AB | Calgary         | CICT    | 2  | 54 | AB | Lethbridge       | CISA     | 7  | 58 |
| AB | Calgary         | CFCN    | 4  | 56 | AB | Lloydminster     | CKSA     | 2  | 48 |
| AB | Calgary         | CKAL    | 5  | 52 | AB | Lloydminster     | CITL     | 4  | 57 |
| AB | Chateh          | CBXAT-7 | 5  | 40 | AB | Lougheed         | CFRN-7   | 7  | 23 |
| AB | Coronation      | CKRD-1  | 10 | 30 | AB | Manning          | CBXAT-3  | 12 | 23 |
| AB | Coutts          | CBRT-16 | 4  | 20 | AB | Medicine Hat     | CBXFT-11 | 34 | 22 |
| AB | Drumheller      | CFCN-1  | 12 | 17 | AB | Medicine Hat     | CHAT     | 6  | 40 |
| AB | Edmonton        | CBXFT   | 11 | 65 | AB | Medicine Hat     | CFCN-8   | 8  | 50 |
| AB | Edmonton        | CITV    | 13 | 47 | AB | Oyen             | CFCN-16  | 2  | 44 |
| AB | Edmonton        | CFRN    | 3  | 59 | AB | Peace River      | CFRN-2   | 3  | 15 |
| AB | Edmonton        | CBXT    | 5  | 42 | AB | Peace River      | CBXAT-1  | 7  | 8  |
| AB | Edmonton        | CKEM    | 51 | 44 | AB | Peace River      | CBXFT-5  | 9  | 21 |
| AB | Edmonton        | CJAL    | 9  | 31 | AB | Pivot            | CHAT-1   | 4  | 29 |
| AB | Etzikom         | CBCA-1  | 12 | 15 | AB | Plamondon        | CBXFT-9  | 22 | 21 |
| AB | Falher          | CBXFT-2 | 6  | 46 | AB | Red Deer         | CITV-1   | 10 | 34 |
| AB | Forestburg      | CBXT-12 | 52 | 35 | AB | Red Deer         | CKEM-1   | 20 | 45 |
| AB | Ft. McMurray    | CBXFT-6 | 12 | 48 | AB | Red Deer         | CBXFT-4  | 31 | 39 |
| AB | Ft. McMurray    | CBXT-6  | 9  | 11 | AB | Red Deer         | CKRD     | 6  | 28 |
| AB | Ft. Vermilion   | CBXAT-5 | 11 | 14 | AB | Red Deer         | CFRN-6   | 8  | 53 |
| AB | Grande Prairie  | CBXAT   | 10 | 41 | AB | Rocky Mtn. House | CFRN-10  | 12 | 15 |
| AB | Grande Prairie  | CFRN-1  | 13 | 32 | AB | Rosemary         | CBRT-5   | 11 | 42 |
| AB | Grande Prairie  | CBXFT-8 | 19 | 17 | AB | Slave Lake       | CBXAT-11 | 11 | 27 |
| AB | Grouard Mission | CFRN-8  | 18 | 40 | AB | Slave Lake       | CFRN-9   | 4  | 19 |
| AB | High Level      | CBXAT-4 | 8  | 22 | AB | Whitecourt       | CFRN-3   | 12 | 22 |
| AB | High Prairie    | CBXAT-2 | 2  | 39 | AB | Whitecourt       | CBXT-2   | 9  | 7  |



|    |                |         |    |    |    |                |          |    |    |
|----|----------------|---------|----|----|----|----------------|----------|----|----|
| BC | 100 Mile House | CITM    | 3  | 21 | BC | Nelson         | CKTN-3   | 3  | 18 |
| BC | 100 Mile House | CFJC-6  | 5  | 23 | BC | Nelson         | CBUCT    | 9  | 21 |
| BC | Alert Bay      | CBUT-16 | 11 | 31 | BC | New Denver     | CBUCT-6  | 17 | 15 |
| BC | Bonnington Fls | CBUDT   | 13 | 45 | BC | Oliver         | CKKM     | 3  | 28 |
| BC | Burns Lake     | CKHS    | 13 | 55 | BC | Oliver         | CHBC-3   | 8  | 51 |
| BC | Burns Lake     | CBCY-1  | 4  | 32 | BC | Ootsa Lake     | CHHH     | 10 | 50 |
| BC | Burns Lake     | CH4333  | 7  | 30 | BC | Ootsa Lake     | CHBL     | 11 | 58 |
| BC | Campbell River | CHEK-5  | 13 | 20 | BC | Ootsa Lake     | CH4467   | 5  | 59 |
| BC | Canal Flats    | CBUBT-1 | 12 | 50 | BC | Pemberton      | CBUPT    | 4  | 40 |
| BC | Chetwynd       | CBCD-2  | 7  | 57 | BC | Penticton      | CHKL-1   | 10 | 49 |
| BC | Chilliwack     | CBUFT-6 | 14 | 15 | BC | Penticton      | CHBC-1   | 13 | 40 |
| BC | Chilliwack     | CBUT-2  | 3  | 46 | BC | Port Hardy     | CBUT-19  | 6  | 14 |
| BC | Clinton        | CFJC-4  | 9  | 41 | BC | Prince George  | CIFG     | 12 | 20 |
| BC | Courtenay      | CHAN-4  | 11 | 21 | BC | Prince George  | CKPG     | 2  | 34 |
| BC | Courtenay      | CKVU-1  | 5  | 29 | BC | Prince George  | CBUFT-4  | 4  | 14 |
| BC | Courtenay      | CBUT-1  | 9  | 49 | BC | Prince Rupert  | CFTK-1   | 6  | 7  |
| BC | Cranbrook      | CBUBT-7 | 10 | 48 | BC | Purden Lake    | CBUHT-1  | 10 | 22 |
| BC | Cranbrook      | CFCN-9  | 5  | 44 | BC | Radium Hot Spr | CBUBT-5  | 17 | 47 |
| BC | Crawford Bay   | CBUCT-1 | 5  | 34 | BC | Salmon Arm     | CHBC-4   | 9  | 33 |
| BC | Creston        | CBUCT-2 | 3  | 14 | BC | Smithers       | CFHO-1   | 13 | 33 |
| BC | Dawson Creek   | CBUFT-5 | 33 | 14 | BC | Smithers       | CBCY-2   | 5  | 29 |
| BC | Dawson Creek   | CJDC    | 5  | 31 | BC | Sparwood       | CBUBT-10 | 11 | 26 |
| BC | Enderby        | CHBC-5  | 16 | 36 | BC | Spillimacheen  | CBUBT-6  | 69 | 39 |
| BC | Fernie         | CBUBT-8 | 21 | 23 | BC | Terrace        | CBUFT-3  | 11 | 34 |
| BC | Fernie         | CBUBT-9 | 8  | 30 | BC | Terrace        | CFTK     | 3  | 35 |
| BC | Fort Fraser    | CBCB-2  | 13 | 53 | BC | Trail          | CBUAT    | 11 | 17 |
| BC | Fort Nelson    | CBUGT   | 8  | 7  | BC | Trail          | CKTN     | 8  | 42 |
| BC | Ft. St. John   | CBCD-3  | 9  | 44 | BC | Valemount      | CBUHT-5  | 12 | 32 |
| BC | Fraser Lake    | CFFL-1  | 9  | 57 | BC | Vancouver      | CKVU     | 10 | 47 |
| BC | Golden         | CBUBT-2 | 13 | 41 | BC | Vancouver      | CBUT     | 2  | 58 |
| BC | Hazelton       | CHHZ    | 9  | 51 | BC | Vancouver      | CBUFT    | 26 | 16 |
| BC | Horsefly       | CH4385  | 10 | 15 | BC | Vancouver      | CIVT     | 32 | 33 |
| BC | Houston        | CBCY    | 2  | 22 | BC | Vancouver      | CHAN     | 8  | 22 |
| BC | Houston        | CFHO    | 8  | 36 | BC | Vernon         | CHKL-2   | 12 | 53 |
| BC | Kamloops       | CFJC    | 4  | 43 | BC | Vernon         | CHBC-2   | 7  | 52 |
| BC | Kamloops       | CBUFT-2 | 50 | 29 | BC | Victoria       | CIYV-2   | 29 | 54 |
| BC | Kamloops       | CHKM    | 6  | 55 | BC | Victoria       | CHEK     | 6  | 68 |
| BC | Kelowna        | CHBC    | 2  | 59 | BC | Whistler       | CBUWT    | 13 | 34 |
| BC | Kelowna        | CBUFT-1 | 21 | 24 | BC | Wilson Creek   | CHAN-6   | 23 | 51 |
| BC | Kelowna        | CHKL    | 5  | 67 | BC | Woss Camp      | CBUT-13  | 12 | 51 |
| BC | McBride        | CBUHT-3 | 6  | 40 | MB | Manigotagan    | CBWGT-3  | 22 | 16 |

More to follow next month.

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# FM NEWS

**FEBRUARY 1999**

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|  |   |   |
|--|---|---|
| <p><b>KEY TO ABBREVIATIONS:</b><br/>&amp;: satellite programming<br/>AF: New frequency allocation <b>accepted for filing</b> for a new FM license<br/>AFA: American Family Association<br/>CC: <b>call letter change</b><br/>CL: <b>city of license change</b><br/>CX: a <b>construction permit</b> has been <b>canceled</b><br/>C1,C2,etc: a change in status to that FM license <b>class</b><br/>DA: <b>directional antenna</b><br/>DE: station has been <b>deleted</b><br/>FC: <b>format change</b><br/>GA: <b>granted amendment</b> to the table of FM allocations<br/>GE: <b>granted extension of construction permit</b></p> | <p>GX: <b>granted replacement</b> of expired permit<br/>LC: <b>license to cover</b> filed (means station is ready to come on air)<br/>MC: <b>multiple-city</b> legal ID<br/>NC: <b>no change</b> yet on a reported change/permit<br/>ND: <b>non-directional</b> antenna<br/>NO: <b>not on the air</b><br/>NS: <b>new station</b> granted<br/>NW: <b>new station</b> signs on<br/>OSA: <b>one-step application</b> granted for change<br/>PA: <b>proposed amendment</b> to change FM table of allocation<br/>PC: <b>power change</b> on the air ("&gt;" for increase, "&lt;" for decrease, when known)</p> | <p>PG: <b>power change</b> granted ("&gt;" for increase, "&lt;" for decrease, when known)<br/>QC: <b>frequency change</b> occurred<br/>QG: <b>frequency change</b> granted<br/>RA: <b>silent station returns to air</b><br/>RE: station <b>requests extension</b> on permit<br/>RX: station <b>requests replacement</b> of expired permit<br/>SG: <b>slogan change</b> or update<br/>SI: <b>station is silent</b><br/>XA: <b>dismissed amendment</b> to FM allocations<br/>XC: <b>transmitter site change</b> occurred<br/>XG: <b>transmitter site change</b> granted</p> |
|--|---|---|



## UNITED STATES

### ALABAMA:

Brantley: WAOQ 100.3 XG: 31-42-26 / 86-13-12  
Cedartown: WJCK 88.3 NC to 27 kW, 1001 ft, DA, XC, RE  
Citronelle: WQUA 102.1 FC to urban gold (Mobile)  
Demopolis: WZNJ 106.5 NC to 25 kW, RE

### ALASKA:

a

### ARIZONA:

Benson: KAVV 97.7 NC to 6 kW, RE (2<sup>nd</sup>), XC: 31-59-29 / 110-10-21  
Florence: KCDX 103.1 NO-RE (5<sup>th</sup>)  
Page: KNAD 91.7 LC  
Paradise Vly: KHOT 105.9 PC> 36 kW, 574 ft, DA, class C2  
Whiteriver: KNNB 88.1 NC to 1250w, 640 feet, XC: 33-45-37 / 109-58-27  
Winslow: K208DF 89.5 NS-99w: KAWZ-ID

### ARKANSAS:

Cherry Valley: \*\*\* 99.3 PA: add class A  
Forrest City: KARH 88.1 NC to 3.7 kW, RE (2<sup>nd</sup>)  
Maulmelle: KWLR 96.9 CC (ex KSIZ), FC to Life Talk religion  
Monticello: KHBM 93.7 QC from 93.5, PC> 15 kW, 423 ft, XC: 33-46-45 / 91-43-02  
Pine Bluff: KANX 91.1 NC to 16.5 kW, 522 ft, C2, XC, CL: Sheridan, AR, RE

### CALIFORNIA:

Alameda: KZSF 92.7 dec. to 394 ft.  
Bena: K213CT 90.5 NS-10w: KAWZ-ID  
California City: KCEL 106.9 NO-GE  
E.Porterville: KOJJ 100.5 NC to 2.1 kW, 1109 ft, B1, RX  
Grass Vly: KLVV 99.3 PC> 640w, 1056 ft.  
Hams Station: \*NS 90.1 AF  
Indio: KJJZ 102.3 PC> 2.6 kW, 331 ft.  
XC: 33-52-14 / 116-13-39  
Lakehead: K207CT 89.3 NS-10w(v), DA: KAWZ  
Lemon Grove: K210CL 89.9 NS-10w: KLVJ  
Merced: KBKY 94.1 CC (NS)  
Roseville: KRAK 93.7 FC to clas hits. (Sacro)  
San Clemente: KWVE 107.9 NC to 560w, 3690 ft, DA, RX (4<sup>th</sup>)  
San Diego: KPBS 89.5 NC to 26 kW, 676', RE  
San Luis Obispo: KPAT 88.5 NO-RX (2<sup>nd</sup>)  
Santa Paula: KCZN 96.7 NC to 280w, RE (3<sup>rd</sup>)  
Sutter Creek: KSAC 107.5 NW, JRN Bonita Regional Mexican (&)  
Weaverville: KAWX 103.1 NO-RE  
Weed: KWHO 102.3 PG> 15.5 kW, 1942 ft, XG: 41-21-30 / 122-12-21  
West Covina: KRTO 98.3 PC< 600w, 1004 ft.

**HOT NEW 98.5**  
**KRAK FM**



**COLORADO:**

Avon: KZYR 103.1 PC> 15 kW (h), 440'  
 Burlington: KRGD 99.3 NO-RE  
 Crested Butte: KBUT 90.3 inc. to -633 ft.,  
 XC: 38-54-11 / 106-58-23  
 Ft. Collins: KPAW 107.9 inc. to 640 ft.  
 Manitou Sps: KCME 88.7 PG< 12 kW, 2191', C1  
 Montrose: KPRH 88.3 NW, info & classical //  
 KCFR 90.1 Denver  
 Ouray: KURA 105.7 OSA to 60 kW, class C,  
 1752 ft, XG: 38-23-16 / 107-40-28

**FLORIDA:**

Apopka: WTLN 95.3 FC to talk // WDBO  
 Cedar Creek: WKSG 89.5 NO-RE (5<sup>th</sup>)  
 Edgewater: WKRO 93.1 XC: 28-53-40 / 80-53-08  
 Englewood: WLTF105.9 NO-RE (2<sup>nd</sup>)  
 Favorita: \*NS 91.1 AF  
 Jacksonville: WNCM 88.1 PG> 8 kW, 495 ft, DA,  
 C3, XG: 30-16-34 / 81-33-53  
 Naples: WSLG 103.1 OSA to 104.7 - C2, 20 kW  
 Naples: WPRW 93.5 PG> 6 kW, 328 ft,  
 XG: 26-19-00 / 81-47-13  
 Port Charlotte: WOST 100.1 CC (ex WXRM) "Star"  
 Port St. Lucie: WHLG 101.3 LC  
 San Carlos Park: WDRR 98.5 PC> 20.5 kW, DA,  
 C3  
 Stuart: WZZR 92.7 XG: 27-16-30 / 80-17-12  
 Yankeetown: WBKX 96.3 PC 6 kW, 285 ft.

**GEORGIA:**

Atlanta: WSB 98.5 inc. to 1027 ft.  
 Augusta: WZNY 105.7 inc. to 1217 ft.  
 Bainbridge: WMGR 97.3 FC to CHR "Hit Radio"  
 Brunswick: WAYR 90.7 PC> 2.3 kW, 312 ft,  
 XC: 31-11-39 / 81-29-30  
 Buford: W201CC 88.1 NS-17w: KAWZ-ID  
 Evans: WAEG 92.3 FC to R&B oldies  
 Greensboro: WDDK 103.9 PC> 5.3 kW  
 Talking Rock: WNSY 100.1 FC to oldies, CC (ex  
 WCHK) "Sunny 100"  
 Valdosta: WWRQ 107.9 QC from 107.7, PC> 14  
 kW, 315 ft, XC: 30-50-11 / 83-17-56  
 Washington: WXKT 100.1 FC to country

**HAWAII:**

Hilo: KANO 91.1 NC to 3 kW, -413', GE  
 Lihue-Kauai: KAWV 98.1 NO-GX  
 Princeville: KAWT 98.9 NO-RE

**IDAHO:**

Emmett: KJHY 101.9 FC adds Jones regional  
 Mexican (&) (Boise)  
 Lewiston: KVTY 105.1 LC

**ILLINOIS:**

Champaign: WPCD 88.7 PG> 10.5 kW, 338 ft,  
 XG: 40-13-27 / 88-17-56  
 Chicago: WUBT 103.5 CC (ex WRCX) "The Beat"  
 Colchester: WMQZ 104.1 CC (NS)

# WCYN

## 102.3FM ■ 1400AM

**Illinois:**

Crest Hill: WCCQ 98.3 CX CP for 3.6 kW, 427 ft.,  
 XG: 41-26-09 / 88-11-04 (469 ft)  
 Des Plaines: WYLL 106.7 XG: 42-08-14 / 87-58-57  
 (423 feet)  
 Golconda: WDXR 94.3 FC to classic hits  
 Joliet: WJTW 93.5 inc. to 276 ft.  
 Oregon: WOXM 106.1 NO-GE (5<sup>th</sup>)  
 Pickneyville: WCCZ 104.3 NO-GE (2<sup>nd</sup>)  
 Rockton: WRWC 103.1 FC to WW1 soft AC (&)

**INDIANA:**

Edinburgh: WYGB 102.9 NO-RE (3<sup>rd</sup>)  
 Goshen: WZOW 97.7 FC to classic rock  
 Greenwood: WBKS 106.7 FC to R&B oldies (Indy)  
 Kentland: WJOK 101.7 NO-RE  
 Veedersburg: WKLO 92.9 NO-GE (4<sup>th</sup>)

**IOWA:**

Denison: KDSN 107.1 PC> 6 kW, 298 ft.  
 Emmetsburg: KEMB 100.1 PC> 3.9 kW, 410 ft.  
 LeMars: KKMA 99.5 FC to ABC-oldies (&)  
 Marshalltown: \*NS 91.5 AF  
 Mitchellville: \*NS 88.9 AF  
 Ottumwa: KTWa 92.7 OSA to C2, 50 kW, 318 ft,  
 XG: 41-01-29 / 92-28-09  
 Sageville: KIYX 106.1 NO-GE  
 St. Ansgar: KHAM 95.5 NO-RE  
 Waverly: \*NS 89.9 AF

**KANSAS:**

Arkansas City: KLPQ 102.5 NO-GX (2<sup>nd</sup>)  
 Colby: KWGB 97.9 LC  
 Enterprise: \*NS 90.5 AF  
 Girard: KSEK 99.1 FC to rock "Real Rock"  
 Herington: KDMM 105.7 FC to Radio One country  
 (&)

Independence: \*NS 90.9 AF  
 Medicine Lodge: KSNS 91.5 NO-GE

**KENTUCKY:**

Benton: WTRT 88.1 LC  
 Campton: WCBJ 103.7 NW, classic rock  
 Clinton: WCBF 102.1 FC to classic hits // WDXR  
 Cynthiana: WNCY 102.3 FC to classic country  
 Georgetown: WXZZ 103.3 PC> 6 kW, 328 ft.  
 Irvine: WCYO 100.7 adds Young & Elder  
 Keavy: WVCT 91.5 inc. to 380 feet,  
 XC: 36-59-11 / 84-08-01  
 Manchester: WTBK 105.7 OSA to C3, 5 kW, 466 ft,  
 XG: 37-08-59 / 83-45-08  
 Mt. Sterling: WMST 105.5 reported SI  
 Tyner: \*NS 89.3 3 kW, 328 ft.

**LOUISIANA:**

Alexandria: KOUZ 89.9 NW, cont. Christian (&)  
 Baker: WTGE 107.3 FC to R&B oldies  
 Ball: KHFX 105.5 LC  
 Bastrop: KTRY 94.3 CX CP for 93.9 - C2  
 Hammond: WHMD 107.1 XG: 30-26-00 / 90-20-59  
 Jena: KJNA 99.3 PC> 6 kW, 298 ft.  
 Opeolus: KVOL 105.9 drops Imus mornings

**MAINE:**

Isleboro: WAYD 105.5 NW, adult standards  
 Presque Isle: WOZI 101.7 QG to 101.9 - C2, PG>  
 7.9 kW, 1207 ft, DA, XG: 46-32-51 / 67-48-35  
 Yarmouth: WYAR 88.3 NW, standards

**MASSACHUSETTS:**

Plymouth: WPLM 99.1 FC to standards & soft AC  
 Mix (targeting age 45+) (Boston) "Easy 99.1"  
 Waltham: WCRB 102.5 PC< 8.1 kW, 1151 ft, XC:  
 42-18-27 / 71-13-27

**MICHIGAN:**

Atlanta: WAIR 92.5 FC to country // WBYY  
 Crystal Falls: WOB 100.7 NO-RX (2<sup>nd</sup>)  
 Detroit: WDTJ 105.9 adds Russ Parr (simulcast  
 with WKYS 93.9 Washington, D.C.)  
 Detroit: WKRC 97.1 adds Steve Dahl (from  
 WCKG Chicago, afternoons), adds Mancow at  
 night  
 Gagetown: \*NS 88.5 AF  
 Gaylord: \*NS 88.1 AF  
 Howell: WHMI 93.5 PC> 5.2 kW  
 Marlette: WBGV 92.5 NO-GE (10<sup>th</sup>)  
 Sault Ste Marie: \*NS 102.3 AF  
 Tuscola: WVVN 101.5 adds Bob & Tom

**MINNESOTA:**

International Falls: \*NS 91.9 AF  
 Park Rapids: KDKK 97.5 FC to Jones standards (&)  
 Park Rapids: KXXX 92.5 LC  
 Spring Valley: KVG 104.3 PC> 10 kW, 512 ft, C3,  
 XC: 43-38-23 / 92-38-30  
 Staples: KSKK 94.7 CX CP for 449 ft., PG> 50  
 kW, 469 ft, XG: 46-33-08 / 94-39-03

**MISSISSIPPI:**

Forest: \*NS 91.7 AF  
 McComb: WAQL 90.5 NW, AFA cont. Christian (&)  
 Natchez: WASH 91.1 NO-RE (2<sup>nd</sup>)  
 Port Gibson: WVE 100.5 NO-RE (4<sup>th</sup>)

**MISSOURI:**

Ashland: KOQL 106.1 PV> 69 kW, 958 ft, C1, XC:  
 38-45-01 / 92-33-31  
 Campbell: KFEB 107.5 NW, CD Country (&)  
 Ellington: KAUL 103.9 QG to 106.7, dec. to 298  
 feet, XG: 37-13-58 / 90-51-08  
 Kansas City: KOZN 102.1 FC to a/c  
 Lexington: KNRX 107.3 FC to R&B oldies "K107"  
 Moberly: KCSX 97.3 LC  
 Pleasant Hope: KTOZ 95.5 FC to modern AC  
 "Alice" (Springfield)  
 Sunrise Beach: KCRL 90.3 LC  
 Union: KLPW 101.7 PC> 3.3 kW, 351'  
 Van Buren: KBIY 91.3 inc. to 492 ft, DA,  
 XG: 37-06-25 / 90-59-30

**MONTANA:**

Billings: KBEX 105.1 NO-GX (2<sup>nd</sup>)  
 Butte: KAPC 91.3 decrease to 1873 ft,  
 XG: 46-00-27 / 112-26-30  
 Cut Bank: KARW 102.7 CC (NS)  
 Hamilton: KUFN 91.9 LC  
 Kalispell: KUKL 88.9 LC  
 14 spell: KDBR 106.3 PC> 60 kW, 2365', DA

**NEBRASKA:**

Albion: KUSO 92.7 NO-RE  
 Lincoln: KLCV 88.5 to 309 feet, XG: 40-55-49 /  
 96-32-42

**NEVADA:**

Sun Valley: KXXL 93.7 NW, country "Cat Country"

**NEW JERSEY:**

Egg Harbor Twp: WXGN 90.5 NO-RX (3<sup>rd</sup>)  
 Lincroft: WJB 90.5 PC< 900w, 371 ft, DA,  
 class A  
 Manahawkin: WCHR 105.7 NO-RE (3<sup>rd</sup>)  
 Upper Montclair: WMSC 101.5 CX CP for 90.3  
 Wildwood Crest: WDOX 93.1 PG> 4.2 kW, 216'

**NEW MEXICO:**

Eagle Nest: K236AK 95.1 NS-10w: KRTN 93.7  
 Hurley: \*\*\* 105.5 PA: class C1 (replaces PA  
 for 105.7 - C3 at Lordsburg, NM)  
 Las Cruces: KXDA 103.1 PC< 1 kW, 551 feet,  
 XC: 21-24-18 / 106-45-41  
 Roswell: KSF 100.5 adds ABC clas. rock (&)

**NEW YORK:**

Briarcliff Manor: WYNY 107.1 CC (ex WWXY), "New  
 York"  
 Brockport: WASB 105.5 NW, religion // AM  
 Buffalo: WNED 94.5 XC: 42-38-13 / 78-46-05  
 Cape Vincent: WMHI 94.7 PC< 5.8 kW, 331 feet,  
 XC: 44-04-42 / 76-15-26  
 Fenner: WXXE 90.5 NW, variety  
 Jeffersonville: WWHW 102.1 NO-RE  
 Lockport: W214BB 90.1 NS-27w: WCOU 88.3  
 Mechanicsburg: WXLE 104.5 FC to rhythmic oldies  
 Medina: W207BD 89.3 NS-38w: WCOU 88.3  
 Old Forge: WBKG 99.7 NO-RE (2<sup>nd</sup>)  
 Quogue: W206AU 89.1 NS-250w: WGRS-CT  
 Southampton: WRLI 91.3 NO-RE (7<sup>th</sup>)  
 Syracuse: WRVD 90.3 NO-GX (3<sup>rd</sup>)  
 Voorheesville: WPTR 96.3 FC to urban "Jams 96.3"  
 Watertown: WFRY 97.5 PG< 97 kW, 476 ft.  
 Willsboro: WXP 96.7 FC to country "Kix"  
 Woodstock: WDST 100.1 PG> 3 kW, 315 ft.  
 XG: 41-59-24 / 74-01-07

**WMHI 94.7**  
**CAPE VINCENT, N.Y. F.M.**

**NORTH CAROLINA:**

Hatteras: WYND 97.1 PC> 48 kW, 558', C1  
 Jefferson: WASQ 106.1 NO-GE (5<sup>th</sup>)  
 Moyock: WSV 92.1 FC to rhythmic oldies //  
 WSVY 107.7 (Tidewater)

**NORTH DAKOTA:**

Belfield: \*\*\* 93.9 PA: add class C1  
 Burlington: \*\*\* 103.1 PA: add class C1  
 Ft. Totten: KABU 90.7 NO-RE (2<sup>nd</sup>)  
 Hettinger: KBKU 93.5 CC (NS)  
 Medina: \*\*\* 92.3 PA: add class C

**OHIO:**

Cincinnati: WOFX 92.5 dec. to 866 ft, ND  
 Findlay: W209BE 89.7 NS-20w: KLVC  
 McArthur: WJLI 98.7 CC (ex WCLX)  
 Pleasant City: WBIK 92.1 CC (NS)  
 Sandusky: \*NS 88.5 AF (Kent State U.)



**Ohio:**

Shelby: WAUI 88.3 NW, AFA cont. Christian (&)

Wapakoneta: WZOQ 92.1 adds Bob & Sheri

**OKLAHOMA:**

Bartlesville: KYFM 100.1 FC to a/c

Durant: KAYC 91.1 NO-RE

Oklahoma City: KQSR 94.7 dec. to 1220 feet,

XG: 35-35-52 / 97-29-22

Oklahoma City: KXXY 96.1 dec. to 1220 feet,

XG: 35-35-52 / 97-29-22

Woodward: KWDQ 102.3 PC> 4.7 kW

**OREGON:**

Ashland: KCMX 101.9 CX CP for 4310 ft., PG> 42 kW, 1437 ft, class C, XG: 42-17-54 / 122-44-59

Cannon Beach: KCBZ 96.5 PC< 950w, 302 ft,

XG: 45-57-08 / 123-56-14

Gleneden Beach: \*NS 88.5 AF (KPBS)

Gleneden Beach: \*NS 89.3 AF (Oregon Pub.)

Reedsport: KRBZ 99.5 NC to 11 kW, 400 ft, RX

Sutherlin: KAVJ 101.1 NW, soft AC (&) // KEUG

Tillamook: \*NS 91.1 AF

Tillamook: KJUN 94.1 LC

**PENNSYLVANIA:**

Bloomsburg: WHLM 106.5 PG< 10.5 kW, 1027 ft, XG: 40-56-18 / 76-25-38

Honesdale: WDNH 95.3 PG> 4.3 kW, 200 ft.

Honesdale: WGGY-1 101.3 NS-500w

Jenkintown: WIBF 103.9 adds Russ Parr

Pittsburgh: WDSY 107.9 PC< 17.5 kW, 827 ft.

**RHODE ISLAND:**

Providence: WBRU 95.5 NC to 492 ft, DA, XC, RE (7<sup>th</sup>)

Wakefield: WXEX 99.7 FC to classic hits // WHKK

**SOUTH CAROLINA:**

Greenville: W214BC 90.7 NS-10w: KAWZ-ID

**SOUTH DAKOTA:**

Wessington Springs: KGGK 98.3 LC

**TENNESSEE:**

Belle Meade: WNPL 106.7 FC to rhythmic oldies, "Hits 106-7"

Elizabethton: WUMC 90.5 NO-RE

Gallatin: WGFX 104.5 FC to classic hits (pop - R&B)

Henderson: WFHC 91.5 PG> 10.5 kW, 308 ft, class C3, XG: 35-27-40 / 88-40-51

Loudon: WESK 105.3 FC to oldies (&)

Norris: WBEH 106.7 PG 1350w, 695 ft, DA, XG: 36-07-12 / 83-55-30

Oak Ridge: WOKI 100.3 adds John Boy & Billy

Union City: WQAK 105.7 CC (ex WWUC) "Quake"

Union City: WYVY 104.9 CC (ex WKWT) "Young Country"

**TEXAS:**

Alice: KOPY 92.1 FC to tejano "Pure Tejano"

Benavides: KXTM 107.7 NO-RX (5<sup>th</sup>)

Borger: KQTY 106.7 NW, Real Country (&)

Brownfield: KPBB 88.5 CC (NS)

Brownfield: KLZK 104.3 inc. to 476 ft.

Callisburg: KPFC 91.9 inc. to 66 ft, DA, XC: 33-40-11 / 97-00-50

Clarendon: KEFH 99.3 NC to 36 kW, RX (2<sup>nd</sup>)

College Stn: KTSR 92.1 NC to 95.1 - C2, 50 kW, 492 ft, RE (9<sup>th</sup>)

Comanche: KOXZ 94.3 NW, Real Country (&), PG> 32 kW, 620 ft, DA

Eagle Pass: KINL 92.7 FC to ABC oldies (&)

Farmersville: KXEZ 92.1 FC to JRN standards (&)

Ft. Worth: KEGF 97.1 inc. to 1666 ft., XG: 32-35-19 / 96-58-05

Ft. Worth: KLTY 94.1 dec. to 643 feet, XG: 32-32-44 / 96-57-56

Freeport: KJOJ 103.3 FC to rhythmic oldies // KHYS

Galveston: K208DG 89.5 NS-250w: KPFT 90.1

Gatesville: KBDE 89.9 PG> 11.5 kW (v), 489 ft, DA, C2, XG: 31-16-06 / 97-21-34, CL: Temple, Texas

Gilmer: KCGF 95.3 CC (ex KFRO)

Gonzales: KCTI 106.3 PG> 15 kW, 423 ft, class C3, XG: 29-41-17 / 97-40-39

Graham: KWKQ 107.1 PG> 25 kW, 92 ft, C3

Harker Hts: KYUL 105.5 PG< 33 kW, 600 ft, ND, XG: 30-59-09 / 97-37-51

Lamesa: \*NS 91.3 250w, 157 ft.

Lufkin: KSWP 90.9 drops religion (which goes to KAVX), now only cont. Christian

Lufkin: KAVX 91.9 NW, religion

Mertzon: \*NS 91.9 AF

Olney: KRZB 97.5 NO-RX (2<sup>nd</sup>)

Palestine: KLIS 96.7 NC to 50 kW, 384 ft, C2

Pittsburg: KXAL 103.1 FC to urban "The Beat, K103"

Plainview: KVOP 97.3 FC to country // KKYN-FM (new format expected soon)

Pt. Arthur: KHYS 98.5 FC to rhythmic oldies "Jam"

Post: KOFR 107.3 FC to cont. Christian

PG< 22 kW, 748 ft, XG: 33-13-23 / 101-26-26

San Diego: KUKA 105.9 PG> 10 kW, 413 ft, ND, XG: 27-38-59 / 98-07-44

Seadrift: KMAT 105.1 NO-RE (4<sup>th</sup>)

Silsbee: KWDX 101.7 adds Radio 1 Country (&)

Springtown: KMQR 89.1 FC to religion // KVTI

Tahoka: KAWD 95.3 LC

Uvalde: KYUF 104.9 FC to ABC country (&)

Waco: KWTX 97.5 dec. to 1479 ft.

Winona: KBKV 102.7 CC (NS)

Yuma: KYRM 91.9 NO-RE (2<sup>nd</sup>)

**UTAH:**

Ogden: KYFO 95.5 inc. to 718 ft, class C, XC: 41-14-59 / 112-14-11

Randolph: \*NS 102.3 480w, 1128 ft.

**VERMONT:**

Danville: WOKD 91.1 NO-GE

Woodstock: \*NS 91.7 100w, 2276 ft, DA

**VIRGINIA:**

Emporia: WJYA 89.3 CC (ex WSPV)  
 Port Royal: WFTR 95.3 FC to oldies (&)  
 Vinton: WZZI 101.5 PG< 510w, 784 ft.  
 Virginia Bch: WODC 88.5 PC> 1.2 kW, 121', DA  
 White Stone: WNDJ 104.9 PG< 2,550 watts, 479 ft,  
 XG: 37-37-26 / 76-33-30  
 Winsdor: WSVY 107.7 FC to rhythmic oldies  
 Woodstock: WAZR 93.7 PC< 25 kW, 43 ft, DA, XC:  
 38-50-23 / 78-33-33

**WASHINGTON:**

Omak: KQWS 90.1 NO-RE (2<sup>nd</sup>)  
 Quincy: KGER 95.9 NO-RE (3<sup>rd</sup>), LC  
 Shelton: KRXY 94.5 LC  
 Shelton: K205DH 88.9 NS-3w: KAWZ-ID  
 South Bend: KFMV 105.7 NO-RE (2<sup>nd</sup>)  
 Walla Walla: KUJ 99.1 PG> 9.4 kW, 1118', C2  
 Yakima: KHHK 99.7 PG< 4.1 kW, 804 ft,  
 XG: 46-31-20 / 120-20-08

**WISCONSIN:**

Highland: WHHI 91.3 XG: 43-02-55 / 90-22-09  
 Milwaukee: WVCY107.7 PG> 43 kW, 528 ft, DA,  
 XG: 42-57-46 / 88-04-23  
 Nekoosa: WXEC 93.9 NC to 44-13-19 / 89-51-13,  
 RE (5<sup>th</sup>)  
 Sturtevant: WEXT 104.7 PG> 6 kW, 321', DA

**WYOMING:**

Casper: KUWC 91.3 NO-RE  
 Jackson: \*NS 88.7 AF

**CANADA****BRITISH COLUMBIA:**

Big White Mtn: \*NS 103.9 30w station wanted //  
 CILK-FM  
 Big White Ski Village: CKBL1 98.1 wants to switch  
 to carrying CHSU-FM  
 Granisle: \*NS 101.9 to be // CJFW-FM  
 Granisle: \*NS 100.5 to be // CISN-FM

**MANITOBA:**

St. Theresa Pt.: \*NS 93.5 36 w station wanted //  
 CINC-FM

**NEW BRUNSWICK:**

Fredericton: CJPN 90.5 PG> 1,560 watts, XG (only  
 a few hundred metres)

**ONTARIO:**

Barrie: \*NS 100.3 application for freq. here, to  
 be Christian music, 1.8 kW  
 Paris: CBL 90.7 NS-4 kW

**QUÉBEC:**

Sept-Iles: KCN 94.1 QC from 560, 4.8 kW  
 Ste-Hyacinthe: CFEI 106.5 PG> 3 kW wanted  
 Thetford Mines: CKLD 105.5 QC from 1330, 3 kW  
 Trois-Pistoles: CIBM-2 104.9 inc. to 183 w.  
 Trois-Pistoles: CJFP-4 93.9 dec. to 42 w.

**PRINCE EDWARD ISLAND:**

Charlottetown: CHLQ 93.1 FC to CHR

**PIRATE WATCH:**

- **DETROIT, MICHIGAN:** The FCC denied the appeal of Edwin Raices, who was busted for a 106.3 pirate a year ago. Raices was fined \$5,000. He claimed he should not be fined, because his offense was "unwillful". This is because he never caused interference to a licensed station, and he dismantled the station when asked to by the FCC. However, the FCC did not accept these arguments and continues to expect the fine to be paid.
- **MIAMI, FLORIDA:** The FCC has shut down 19 more FM pirate stations in South Florida. This is in addition to the 15 stations shut down earlier last year. Reports indicated that some stations were abetting drug-related crime.
- **LEANDER, TEXAS:** Keith Perry was recently caught operating on both 88.5 & 95.9 here, and was assessed a Cease and Desist Order, an \$11,000 fine. Perry has refused to desist, or even to file the usual "Notice of Appearance". Instead Perry, has counter-filed, issuing a "Certified Demand for FCC Jurisdiction", which challenges the FCC's authority to regulate the airwaves

**CKMN**

*fm* 96.5  
 LA RADIO  
 À VOTRE RYTHME !



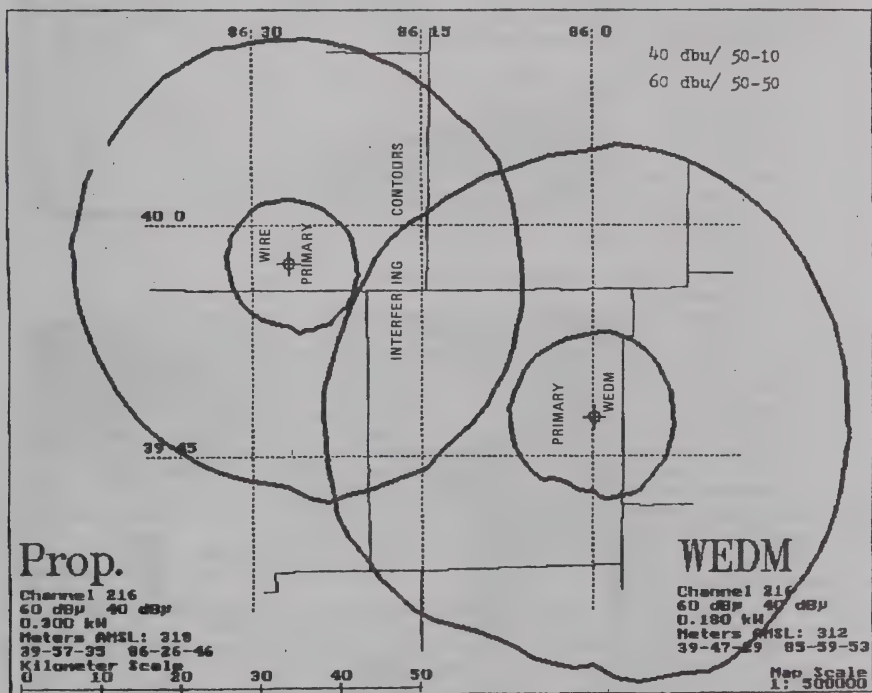
The FCC is cracking down in areas other than just un-licensed radio operation. After two incidents late in 1998 involving helicopters and un-lit radio towers (in Muleshoe, Texas, and Arcadia, Florida), the FCC is strongly cautioning stations about complying with this safety regulation.

Bill Draeb writes about local WAUN 92.7 (Kewanee, Wisconsin), which has been silent for quite some time. The shareholders cannot agree on a new music format for the station. A recent local phonebook listed the format as "polkas and heavy metal" (Bill, I think I remember hearing a legal ID mentioning a simulcast with 94.3 Elgin, Illinois, during a recent visit to Chicago)

Mike Lazaro sends an article from the *Albany Times-Union* dated December 23, 1998. An item by Mark McGuire, the paper's media columnist, reports on the recent change of WXLE 104.5 to the newly popular "rhythmic oldies" format.

(Check out how many stations flipped to that format in this month's column!) In recent years, including most of 1998, the station featured an adult alternative format. A few months ago, WXLE changed to a "Magic" slogan and a more adult contemporary or "modern AC" oriented format. Ronald E. "Buzz" Brindle, the stations PD, now admits, "Magic" was never meant to succeed, but was rather a transitional format, while the station prepared the "Jammin Oldies" format. The station did not want to announce its intentions at first, and allow a competitor to steal the popular new format.

Alan Dunn writes via e-mail to note a minor error in the December column. The entry for "WRQR Wilmington, Mass." Should have been in North Carolina, not Massachusetts. Alan notes that the Boston area has a station with a very similar call on 105.7: WROR. That may be what messed me up. Thanks for the update, Alan!

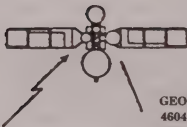


--courtesy Bruce Elving/FMedia!

MS 1 C

WIRE \*91.1 LEBANON IN COVERAGE IN RELATION TO WEDM  
 \*91.1 INDIANAPOLIS

# SATELLITE NEWS



GEORGE W JENSEN  
4604 ANN TANA AVE  
BALTIMORE MD 21206-4220

Some changes, Some new channels, some channels go, and strange situations with oceans of new channels.

Satcom 4 -

5 - digital

100 Encore Plex East

101 - Encore Plex Mountain

102 - Encore Plex West

103 - Starz Mountain

104 - Starz West

These have migrated here from  
Galaxy 7

Satcom C3

delete - Atlantic satellite color bars and infomercials

add - 781 - infomercials

Galaxy 1 -

add - 6 - The Nashville Network - West VC2

Anik E2

5 - delete VCC - ADD CBC - West

delete from where ever it was - SET - Southern Entertainment  
Television was in VC2

13 - delete the CBC W feed from here - transponder failure  
GE 1

1 - add - Fox Sports Ohio VC2 from xpdr 4

15 - The Set - delete this from here and anywhere else

23 - delete - Outlaw Music Channel

Telstar 5

11 - True Blue - delete XXXTasy VC2

12 - delete Exxxotica VC2

Galaxy 7

delete all of the Encore Plex - now on Satcom C4

delete 603 - Wingspan

delete - 800 and 801 - The Box Pulse and Edge

on the Ku side - add 620 - Toon Disney

Telstar 402 -

7 - add - Exxxotica from T5 VC2

GE 2

delete - Kuwait Television Service from XPDR 6

Spacenet 3

ADD the following

7 - VCC - Video Catalogue Channel from Anik E2

i - C3D - 3D Stereoscopic television TESTING

And now to the oceans of channels thanks to Steven Sprachman.

This involves using several of the 4DTV generic satellite

designators and sort of overlaying them on a satellite

like G7 or others - There are several Ku and C Band generics

to do this with. Using KF over top of the Ku side of Galaxy

7 will net a flood of other channels that the X7 designator

for Galaxy 7 Ku does NOT download digitally - e.g. -

226 - The weather Channel - Weather Scan - not currently open

480 - A&E Biography and 482 - A&E History

There is some redundancy with this set-up however.

There are about 150 channels carried on this bird in Compressed  
Digital Video

On GE 1 C band using the CE designator - the lost PBS feeds

can be found on 140, 41, 42 46, 157, 58 and 59.

On Satcom 3 using the generic CG designator one will find

a new Nickelodeon Suite with

386 - Nick Noggin

387 - Nick Games and Sports

388 - Nick Too East

389 - Nick Too west.

Much more on this as time goes by. that's all for now -

see you in 30.



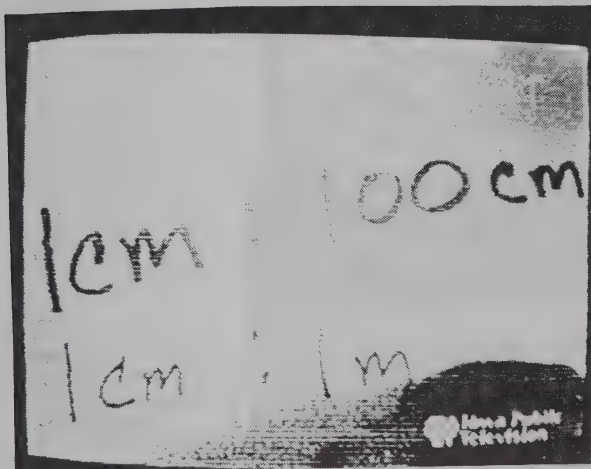
# PHOTO-NEWS

Jeff Kruszka, Editor  
5024 S. Braxton Ave.  
Baton Rouge, LA 70817  
JTKruszka@worldnet.att.net

February 1999

As promised, here's some fantastic tropo photos from Fernando Garcia, Cd. Guadalupe, Nuevo Leon, Mexico:

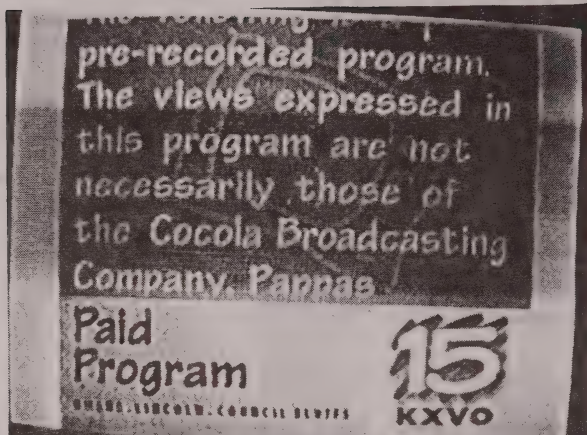
**Equipment:** Sony KV-27EXR15 TV, screened CM 7' dish @85' w/RG-11 and UA-900 preamp. Sony KV-13TR27 TV, CM 1110 @30' w/RG-6. Archer V-110. CM 8-bay UHF array at 60'.



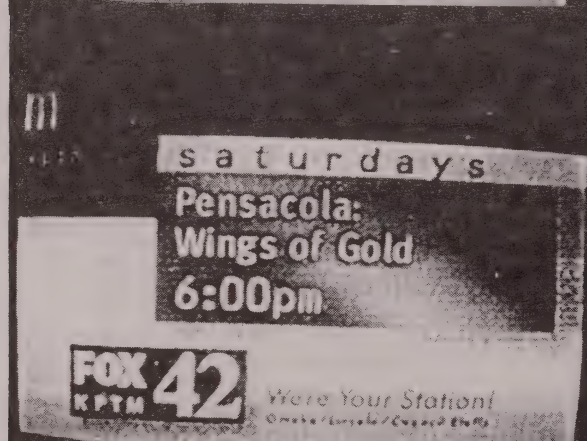
KTIN-21 Ft. Dodge, IA  
1231 mi Tr seen 5/14/98  
@ 0330 CDT



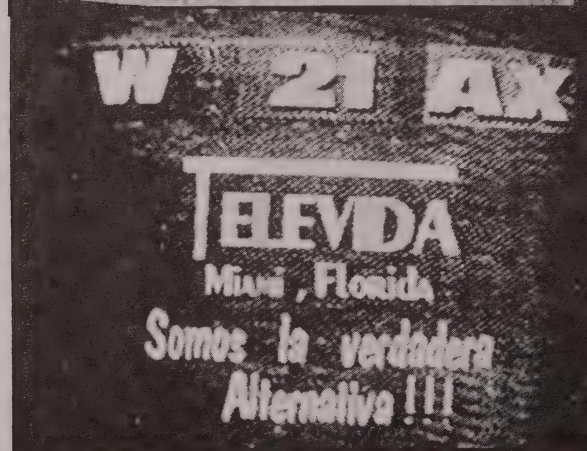
KHIN-36 Red Oak, IA  
1121 mi Tr seen 5/14/98  
@0300 CDT



KXVO-15 Omaha, NE  
1094 mi Tr seen 5/14/98  
@0200 CDT



KPTM-42 Omaha, NE  
1090 mi Tr seen 5/14/98  
@0200 CDT



W21AX-21 Miami, FL  
1237 mi Tr seen 5/8/98  
@0600 CDT



WBCC-68 Cocoa, FL  
1200 mi Tr seen 5/20/98

WBCC - TV  
CHANNEL 68  
COCOA, FL

512 WML-69

151 KPL-338

BREYARD COMMUNITY COLLEGE

WGFL-53 Gainesville, FL  
1112 mi Tr seen 5/8/98

WGFL-TV  
CHANNEL 53  
HIGH SPRINGS  
GAINESVILLE, FL

WFLX-29 W. Palm Beach, FL  
1238 mi Tr seen 5/8/98

FOX  
CHANNEL 29 PALM BEACH

4. TV ALABAMA

LOUIS

DETROIT

GAME 23

SUNDAY

www.lospb11s.com



## TALL!

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(When I received this material several years ago, I failed to make note of the contributor. It is part of chapter one ("Towers and Other Landmarks") in a book titled "About Television" and was written in 1972 by Martin Mayer of New York. No other publishing information is available.)

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## Tallest in the World...

On a farm near Blanchard, Traill County, North Dakota, stands a triangular lattice-work of steel beams painted red and white, rising straight up for two-fifths of a mile---the tallest man-made structure in the world, the 2063 foot transmission tower of KTHI-TV, Channel 11, Grand Forks-Fargo. The station used to be identified by other call letters, but changed its name in 1963, while the tower was under construction, to permit the use of a new promotion symbol, a long-legged girl labeled "Katy High."

Management likes to say that if you put the Eiffel Tower on top of the Great Pyramid at Giza, and the Washington Monument on top of *them*, the tip of the monument would still be below the KTHI antenna. If a twenty-second commercial started at the same moment a baseball was dropped from the top the KTHI tower, it would have ended nearly four seconds before the ball hit the ground. At some seasons, the ball might hit a Brown Swiss cow, because such cows--- property of a Farmer Brown, H. Kenneth Brown, who owns the land---graze around the two-story cinder-block building at the foot of the tower.

At the top, the visual horizon is sixty miles away, and full power input of 304,000 watts will generate usable video signals on high quality rooftop home antennae 105 miles off. "It's so flat here," said engineer David Chumley, "we have no shadow situation at all---you get good coverage over the whole area." This area is larger than the states of Massachusetts, New Jersey, Delaware, Connecticut and Rhode Island put together. "But the tower doesn't look like much, you know," said William P. Dix, formerly the station's general manager, a veteran of broadcasting wars in New York, "because there's nothing you can compare it to." That's *almost* true, but not quite. Only a few thousand yards away stands a very slightly smaller 2060 foot stick for a rival station (KXJB-TV) that also aims to reach Fargo and Moorhead, Grand Forks and Valley City, Thief River Falls and Devils Lake, and all the farms and crossroad towns around them.

Even in 1963 the cost of raising such a tower was more than three-quarters of a million dollars. Much more than a steel frame is involved. The cable carrying the power to the antenna must be protected against moisture by a blanket of nitrogen under pressure, and against freezing by a circulating antifreeze solution pumped all the way to the top. Forty percent of the power will be lost in the climb, not because electricity cares about up or down, but simply because the cable is so long. Structurally, the tower is sustained by guy wires as thick as a man's arm, twenty seven of them, angling down from various heights to coffins of reinforced concrete sunk twenty-five feet under the surface of Farmer Brown's quarter section. Tower and guy wires add up to almost six hundred tons of steel.

Though carefully lit on fourteen levels, beyond FAA specifications, the tower is a hazard to tourist aviation, light planes with pilots who can't resist coming in for a closer look. They can see the tower all right---but not the guy wires.

At Farmer Brown's, a dirt road with deep mud holes leads to the building at the base of the tower. The ground floor had a garage, with a small electrical shop and a huge Allis Chalmers emergency generator, plus tanks for the fuel to feed it, for the antifreeze, for the nitrogen. On the second floor was an ordinary windowless control room, temperature-controlled through noisy air-conditioning ducts,



featuring the usual monitor screens, control panels, banks of gun-metal gray equipment studded with dials and meters. Beside the stairs was a little room with a window, offering a cot, a stove and a refrigerator. The engineer on duty was Larry Johnson, a matter-of-fact young veteran who had previously run an Army closed-circuit system in El Paso and now lived 150 miles from Blanchard. His weekly tour was from 12:30 Wednesday afternoon to 9 o'clock Friday night---56 and a half hours a week, a schedule that permitted the facility to be staffed constantly for the price of three men. Nevertheless, a tower like KTHI isn't cheap to operate. The electricity alone must run \$30,000 a year, and even in low-wage North Dakota the three engineers cost at least as much again. And there are special problems, too. "We have a leak in the nitrogen hose, up near the top," Johnson said, looking at the ceiling. "A GE man came out here to work on it, but he got hysterics when he was only four hundred feet up."

Most of the time, what comes out of this tower is ABC network programs; however KTHI produces local news shows, *Romper Room* for kiddies and a *Top Ten Dance Party* for bigger kiddies at its studios in both Fargo and Grand Forks. KTHI also carries several hours a day of movies and syndicated shows. On Sunday afternoon Dix used to go on camera himself, in a program called *Let Me Speak to the Manager*, answering questions in letters written by the audience. Dix, somewhat taken back by its success said, "It's our sixth-highest daytime rating." One result of this program was a late-night movie on weekends, making KTHI the only station in the area to be on after midnight. "A lady wrote in asking why we signed off so early," Dix recalled, "and I said on the air, 'If you want a late show, you can have it---write in.' A couple of days later we got a petition from the Air Force base, with 150 signatures, and the man who sent it wrote, 'I got these in one hour---if you need more, let me know.' So I went to our advertisers, and said, 'Do you want to own an audience?' We charge \$175 for half the movie, which gives the advertiser four spots." If it's a local advertiser, KTHI will make the commercials for him, at a gross cost normally under \$50 per reusable minute.

An investment like the tower, however, is not made for the sake of local storekeepers---indeed, by extending the

station's range far beyond any one market area, the tower gives local advertisers an unusually high fraction of waste circulation. Fuqua Industries, the conglomerate that then owned KTHI, built the tallest structure in the world because in the early 1960s the advertising agencies worked on a rule of thumb that made 100,000 homes the minimum size for a major market that would be bought routinely in national advertising campaigns on television. And the only way you could get 100,000 homes in the reception area of a single transmitter in North Dakota was by hoisting it up more than two thousand feet. While one structure could serve both channels, two very tall towers stand in Traill County, involving a total investment of \$1.5 million, because broadcasters, the people, the Federal Communications Commission and the Department of Justice all believe that competition is part of the American way. That's why the world's two tallest structures are out in the back of beyond in North Dakota.

---

*Editor's comments:*

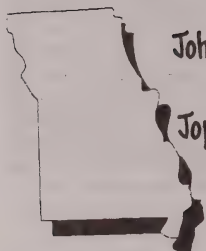
*Since the book containing this material was published, the distinction of "world's tallest man made structure" has been relinquished to lofty new creations on other continents. The KTHI call letters are gone. So is the ABC network... the station has carried NBC for about 15 years. More recently the station's identity was changed to KVLV-TV ("Valley", in recognition of the location of the majority of its coverage area---the Red River valley). That change occurred when channel 11 became part of the Bismarck-based Meyer Broadcasting Company. Only months ago a new owner (Sunrise Broadcasting of St. Petersburg, FL) took possession of all 5 of the Meyer television stations. I suspect that relaxed FCC regulations and technological advances have eliminated the expense of staffing full-time engineers at the transmitter site. This past July it was a personal thrill to visit both of the big towers mentioned in this article. While only a few miles apart, the channel 4 structure has been toppled twice...first by an aircraft accident and more recently in a horrendous ice storm...but the channel 11 giant has been spared any tragedy. They are truly an awesome sight... particularly to those of us who pay attention to such structures. A DXer has a sort of built-in mental calculator that aids in determining tower height. When you see these 'big sticks' up-close and personal, you KNOW that you are viewing true GIANTS.*

# ♥ SOUTHERN FM DX ♥

John Zondlo - 4009 Driftwood Circle - Yukon, OK 73099  
E-mail: Jpzondlo@aol.com - Deadline: 10th

For DXers in AL, AR, AZ, CA, CO, DE, DC, FL, GA, HI, KS, KY, LA, MD, MS, NC, NV, OK, SC, TN, TX, UT, WV and Mexico

## February 1999



**John Tudenham - WOJRP**  
2824 Missouri  
Joplin, MO 64804-2755  
wojrpe@juno.com  
CST

A severe ice storm that hit southwest Missouri on New Years day resulted in many power failures and tree limbs down. My FM antenna was stuck east with a tree limb on it. Two area stations were off the air, one may be for a long time due to a fire at the transmitter site.

The KGND 107.5 Ketchum OK transmitter building was destroyed by fire around 2AM January 4th. KGND is located in the NE corner of OK in the Grand Lake area. KWXD 103.5 Asbury MO, with studios in Pittsburg KS, was off the air for reasons unknown. Asbury is located between Pittsburg KS and Joplin MO.

Word received from the manager of KSWM AM in Aurora MO is that their company will be testing their new FM station in Stockton MO on 107.7. Stockton is about 40 miles NW of Springfield.

No DX to report. I have not heard anything new on 107.5 or 103.5.



**Eric Bueneman**

NOUIH - 631 Coachway Lane - Hazelwood, MO  
63042-1347 - (314) 839-9751 (prepaid only) -  
NOUIHERIC@aol.com, EricB631@juno.com -  
<http://members.aol.com/nouiheric/k-index.html>  
CST

Realistic STA-90, Radio Shack VU-210XR.  
Miles/kilometers.

Here are some possible ID's for Luke Steele's unIDs in the December VUD:

### June 1, 1998

92.5 - His unID with the slogan "Q-92 Light Favorites" may be WJJQ-FM Tomahawk, WI. The format matches this station, which simulcasts WJJQ (AM).

### June 13, 1998

90.7 - The unID with a mention of Chesapeake may be WCWM Williamsburg, VA, operated by the students of The College of William and Mary. Chesapeake, VA is a suburb of Norfolk, some 40 miles to the east.

24

### July 13, 1998

102.1 - The unID with a "Q-102" slogan and country music may be WQLC Watertown, FL. The format matches. If they were playing Faith Hill's "This Kiss" or Shania Twain's "You're Still The One" (both of which crossed over to mainstream Top 40), then it could also be WIOQ Philadelphia, PA.

I did add one new logging:

### 12/16 Tr

1930 WQQN 95.9 IL DuQuoin, local ads, wx, PSA, calls, AC, WOLG on open carrier 100/161

Best of DX in 1999 from Eric (NOUIH)!



**Luke Steele**  
437902 E 278 Rd  
Vinita, OK 74301  
(918) 256-8786  
CST

DX-390 with whip antenna.

### 9/26 Tr

|           |          |  |
|-----------|----------|--|
| 0825 unID | 104.3 ?? | ??, "Today's Hits, Yesterday's Favorites, B-104" |
| 0907 unID | 102.9 ?? | ??, k, "Q-102"                                   |
| 0911 KJYO | 102.7 OK | Oklahoma City, "KJ-103"                          |
| 0958 unID | 101.1 ?? | ??, k (KWOX Woodward OK?-jz)                     |

### 9/27 Tr

|           |          |  |
|-----------|----------|--|
| 1054 unID | 105.9 ?? | ??, k, KQLL off (KIRC Seminole OK?-jz) |
| 1055 unID | 106.1 ?? | ??, AC, Casey Kasem's Top 20           |
| 12/1 Tr   |          |  |
| 1723 KHCC | 90.1 KS  | Hutchinson, "Radio Kansas"             |
| 1737 KKFI | 90.1 MO  | Kansas City, blues show, fundraising   |
| 1741 KWWR | 95.7 MO  | Mexico, k, "Country 96"                |

### 10/5 Tr

|           |          |                                      |
|-----------|----------|--------------------------------------|
| 1653 KFKF | 94.1 KS  | Kansas City, k                       |
| 1657 KGOZ | 101.7 MO | Gallatin, k, "Z-101.7"               |
| 1713 KTTN | 92.3 MO  | Trenton, calls, rx                   |
| 1745 unID | 101.7 ?? | ??, mention of "Verdegris" on the wx |
| 1915 KSDL | 92.1 MO  | Sedalia, "FM 92"                     |
| 1930 KAZR | 103.3 IA | Pella, "Lazer 103 Central Iowa wx"   |

### 10/7

|           |          |                          |
|-----------|----------|--------------------------|
| 1958 KUAR | 89.1 AR  | Little Rock, ID          |
| 10/9 Tr   |          |                          |
| 1154 KSTZ | 102.5 IA | Des Moines, "Star 102.5" |



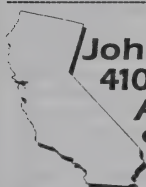
## SOUTHERN FM DX

Steele continued

1736 KSPQ 93.9 MO West Plains, "The Q"  
 10/10 Tr (w/GE SuperRadio 3)  
 1912 KEOM 88.5 TX Mesquite, o, "88-5 KEOM"  
 10/15 Tr  
 1228 KRNH 105.7 TX Decatur, s, "105 dot 7"  
 10/27 Tr  
 1148 unID 102.5 ?? ??, "Sunny 102.5 tent at the KSU..." (KBLS North Fort Riley KS-jz)

11/2 Tr  
 1739 KABF 88.3 AR Little Rock, ID  
 11/7 Tr  
 2105 KCWD 96.1 AR Harrison, "Hits 96," KITO off  
 2107 KLRQ 96.1 MO Clinton, "Q-96"  
 11/8 Tr  
 0942 unID 95.9 ?? ??, "Classic Hits (sounded like KIVV"

11/14 Tr  
 0803 KHCD 89.5 KS Salina, "Radio Kansas"  
 0827 KNTU 88.1 TX Denton, c, ID  
 11/15 Tr  
 1232 KPLA 101.5 MO Columbia, ID  
 1802 WRR 101.1 TX Dallas, c  
 1906 KLAU 101.5 OK Lawton, k  
 1915 KICM 93.7 OK Ardmore  
 1917 KOKF 90.9 OK Edmond, quite clear  
 2057 KMKZ 95.7 OK Lahoma, quite clear despite adjacent stations



**John M. Jefferson**  
**4104 Spyglass Ct.**  
**Antioch, CA**  
**94509-6051**  
**PST**

McIntosh MR-80 (digital display w/analog tuning),  
 APS-14 antenna (the 196" baby bird perch) @ 30'  
 off the ground, Channel Master rotor

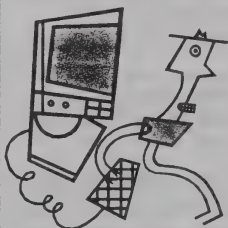
The November Ms was interesting, but it didn't  
 compensate for the 2nd awful summer in a row.  
 Some December skip did give the year an upbeat  
 finish, though.

11/16 Ms  
 0319 KOEX 92.3 TX El Paso, "92.3 the Fox" 969  
 0528 KKER 92.3 AZ Phoenix, "Power 92-3" 635  
 11/17 Ms  
 0441 KCAD 99.1 ND Dickinson, "Cat Country" 1148  
 0700 KOEZ 92.3 KS Newton, ID, CNN nx 1331  
 0716 KOEX 92.3 TX El Paso, El Paso ad 969  
 1010 XHMC 104.9 BCS Mexicali, calls 512

## FEBRUARY 1998

1040 unID 92.3 ?? ??, "Rock Queen & Rock  
 Station, Z-94(!)"  
 12/21 Es  
 1900 KTEP# 88.5 TX El Paso, calls 970  
 1902 KRWG# 90.7 NM Las Cruces, annrnt, c-phone  
 verie 950  
 1904 KINT# 93.9 TX El Paso, SS, time check @  
 1911 970  
 1905 KOFX# 92.3 TX El Paso, o, "The Fox" @ 1912  
 969  
 1944 XHGON% 92.9 SO Ciudad Obregon, "La Caliente,"  
 annrnts in SS 1001  
 1951 XHUSS\$ 92.3 SO Hermosillo, "La Compadre,"  
 annrnts in SS 877  
 2000 KKFR 92.3 AZ Phoenix, ID 635  
 2005 KPHF 88.3 AZ Phoenix, //KEDR 88.1 Family  
 Radio 635

Notes: underlined are new to the Diablo  
 Region, dashed underlines are new mode, # is  
 new to West Sacramento (where I work &  
 hopefully soon will live - way outside the Diablo  
 Region) on Sentra FM, % is w/Sentra FM near  
 Antioch Bridge, \$ is w/Sentra on freeway in  
 Antioch. Nice to get the legal ID for KKFR on  
 12/21, but a legal ID for XHUS would have been  
 even better. By the time I got in the house,  
 XHUS was gone (and XHGON would have had  
 to be quite strong to get thru KFGY Healdsburg &  
 KFSO Visalia, which were combining to make a  
 noisy mess on 92.9 that night).



*From the Editor*

Thanks for your support of Southern FM DX!  
 It's great to see 4 reports in the middle of the  
 winter.

John Jefferson's report reminds me that the  
 only major metro area that I still don't have  
 anything from in Texas is El Paso. With desert  
 and mountains in the way, it's a tough catch.  
 Makes one realize just how big Texas is. El Paso  
 is actually closer to San Diego than it is to  
 Houston....now that's a big state! 73

# NORTHERN FM DX

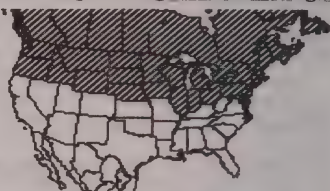
## FEBRUARY 1999

EDITOR: GREG CONIGLIO

90 SLATE CREEK DRIVE APT. #3  
CHEEKTOWAGA, NEW YORK 14227

E-MAIL: [coniglio@localnet.com](mailto:coniglio@localnet.com)

WEB: <http://www.geocities.com/~wgrc>



**DEADLINE:** The 5<sup>th</sup> of the month before publication

**LOG CUTOFF:** 4 months from postmark

**COLUMN REPORTING AREA:** See map to the right  
(also includes Europe & Asia)

Eric Bueneman writes with assistance with Rich Gallison's June 22, 1998 E-skip uniDs which appeared in an earlier column. He feels that the "Cool" uniD on 98.7 is WASK Battle Ground, IN. As far as Rich's NPR on 89.3, it could be WIPR-IL, KCUR-MO, or WVXR-IN, all stations that run that format, Eric confirms. Thanks for your assistance, Eric! If you have had DX lately, let's hear from you today!!

### DAVE NIEMAN - HO STA GEH ROAD - ROCK CITY NEW YORK 14749

Equipment: Carver TX-11 tuner; IF filter modified, Pioneer SX 650 receiver. Channel Master model 4408 (Stereo Probe 9) at 59 feet AGL on a Alliance HD-73 rotor. Winegard FT-7600 variable FM trap for 95.7MHz, Belden RG-11/u coax feed.

New loggings are underlined.

#### OCTOBER 1998 DX

##### 31 tropo

0200 CBLA1 90.5 ON Crystal Beach, call,  
mt\$, testing

66

#### NOVEMBER 1998 DX

##### 15 tropo

0840 CFLZ 105.1 ON Niagara Falls, call,  
TIS \$, testing // CFLZ 91.9

81

##### 28 Meteorscatter & tropo

0734 WCLZ 98.9 ME Brunswick, call, \$  
taking out WBBF Rochester

447

0639 WFGI 105.7 PA State College, "Froggy-98"  
// WFGY 98.1, k\$

83

#### NOVEMBER 28, 1998 DX continued

1015 WROV 96.3 VA Martinsville, ...the rock  
of Virginia..."96.3-ROV", rp\$

348

##### 30 tropo

1055 WBSS 97.3 NJ Millville, "New Jersey  
101.5", r\$

268

#### DECEMBER 1998 DX

##### 6 tropo

1140 WISL 95.3 PA Shamokin, call, o\$

132

1228 WQMU 92.5 PA Indiana, call, \$  
ex. 103.1, Steelers football  
pregame show

101

1400 WQJU 107.1 PA Mifflintown, ID, g\$

109

Nothing much going on the last few months. No big tropo openings but I still managed to log several new stations. THE BEST OF HOLIDAYS TO ALL. Dave

### JOHN EBELING - 9209 VINCENT AVE S - BLOOMINGTON, MINNESOTA 55431

Internet: [ijebeing@aol.com](mailto:ijebeing@aol.com)

#### FROM PROSIT, MN:

##### NOVEMBER 1998 DX

##### 13 Tr

2359 99.3 KWNO MN Rushford

224

##### 19 Tr

1115 91.5 W218AW MN Brainerd

87

#### FROM BLOOMINGTON, MN:

##### OCTOBER 1998 DX

##### 15 MS

1001 92.9 KLGT WY Buffalo

659

##### 28 Tr

1930 88.3 K202CH MN Glencoe

#### NOVEMBER 1998 DX

##### 16 Tr

2355 99.3 KWNO MN Rushford

104

#### DECEMBER 1998 DX

##### 2 Tr

2300 88.7 KMSE MN Rochester

69

The Nov. Leonids shower was been a bust so far. I haven't finished listening to my tape as yet, but so far have heard only a few bursts. Will notify if any off season Es makes it to MN. Email address is [ijebeing@aol.com](mailto:ijebeing@aol.com)

Regards,  
John

# WESTERN TV-DX

February 1999

**Dennis Park Smith**, 3703 Dixon Street, Santa Barbara, CA 93105-2419 (805)687-7803

This report is for December 1998. TV-FM tropo between Santa Barbara and San Diego/Tijuana (up to 200 mi/320 km) settled into a mostly winter condition of mostly no tropo except at the end of the month. Monitoring continues to be indoor TV and car radio FM.

Nov 28-30am: None (Nov 28 rain)  
 Nov 30 eve: Briefly up to poor (After that, rain)  
 Nov 30 night: None  
 Dec1-10am: None (Unsettled; weather fronts often, occ. rain & wind thru aprox Dec. 8)  
 Dec10eve-13: Very poor (Stable but cool temps)  
 Dec14-16: None (Cold front; some wind)  
 Dec 17: Poor to fair (Warm)  
 Dec18-25am: None (Clear and COLD!)  
 Dec25eve: Very poor  
 Dec 26: Poor (Gradual warming)  
 Dec 27-31: Fair

On Dec. 21, there was some Es noted 1830-2000 PST in Santa Barbara, though it was in before that and continued somewhat afterward. Maximum usable frequency (MUF) was through at least ch. 5 (82 MHz). No IDs. CCI under local KEYT-3. Chs. 2 and 4 were deep in signals when first noted, too many to separate. Ch. 5 had fewer signals, but receiver insensitivity prevented useful info. Just before 1900, noted ch. 4 PBS end of Lehrer Newshour and ad for Jessye Norman Christmas special, fading into and after 1900 on ch. 4 with ABC Monday Night Football. By 2000, when TV was turned off, MUF was down to ch. 2.

Best of DX to All. Dennis

**William Eckberg**, 1032 Sterling Rd., Dixon, IL 61021-9355

|                           |     |
|---------------------------|-----|
| December 1998             | CST |
| 01tr 0435 WUXP 30TN       | 408 |
| WNAB 58TN                 | 408 |
| 0600 KSBN 57AR Springdale | 453 |
| 0935 WCFT 33AL            | 593 |
| 0940 KZDX 54AL            | 503 |
| 1000 WNPX 28TN            | 434 |
| 1035 WAAV 31AL            | 503 |
| 1100 WHNT 19AL            | 503 |
| 1115 WAFF 48AL            | 503 |
| 31ms 0500 KDLO 3SD        | 435 |
| January 1999              |     |
| 02ms 0410 KDTN 2TX        | 719 |

A nearby DXer alerted me to the merits of the Orion 13" (MOD TV1318) color TV receiver with remote. Wahlmart sells it for \$119.95 list or \$89.95 on sale. The set is very sensitive and will receive

meteor scatter. Many new sets will not receive meteor scatter unless the burst is long and strong. Many sets are slow to sync a meteor burst.

The picture is sharp on the Orion. Picture and color will lock in at near-zero signal levels. Within one half hour on two monrings, I identified Watertown, SD-3 (435 mi) and Denton, TX (719 mi) via meteor scatter. Many more bursts were seen. I also saw Minneapolis-4 (300 mi) during a blizzard briefly--propagation unknown. The set picks up all the scatter signals (to 400 mi.) as well as my 1990 Zenith: Cincinnati, Kansas City, Minneapolis, etc. Selectivity is slightly inferior compared to my primary set. Sensitivity is equal or better. A possible negative is that the sound mutes at very low signal levels. This can be an advantage when watching meteor scatter or weak UHF scatter signals. The sudden hiss is an early warning system of an incoming signal. If a weak signal is adjacent to a strong one, the tuner will lock onto the weak one fine. If no signal exists, it will sometimes lock on a very strong adjacent channel. The Orion is still better in this respect than most competing sets. It is an inexpensive TV which looks promising as a second TV or a meteor scatter DX set. The weak link in this hobby is finding an adequate TV, so I thought these comments might be of interest while the set is still available. Ownership of four days has not presented me sufficient time to form many opinions on the receiver.

**Danny Oglethorpe**, P.O. Box 6688, Shreveport, LA 71136-6688

|   |               |
|---|---------------|
| November 1998                                       | UTC           |
| 22tr 1455 WHOA 32AL Montgomery                      | 436           |
| 26tr 1025 WIAT 42AL Birmingham                      | 410           |
| 1120 WJSU 40AL Anniston: ABC 33/40                  | 468           |
| December 1998                                       |               |
| 05Es 0035 unIDs 2,4 XEW, others                     |               |
| 09tr 1350 WJSP 28GA Columbus; GPTV                  | 512           |
| 1404 WHOA 32AL Montgomery                           | 436           |
| WJSU 40AL Anniston                                  | 468           |
| WIAT 42AL Birmingham                                | 410           |
| 1408 WPGX 28FL Panama City                          | 502           |
| 1413 WJTC 44FL Pensacola                            | 410           |
| 10Es 2040 unID 2 Mexico to west w/big "2" logo      |               |
| 11Es 0200 unIDs 2,5 Azteca-7, others                |               |
| 0235 XHG 4JAL Guadalajara; news                     | 1003          |
| 0247 XEFB 2NL Monterrey; "11" MTY"                  | 611           |
| 0318 KNAZ 2AZ Flagstaff                             | 1045          |
| 19Es 0100 WPBT 2FL Miami                            | 939           |
| 0107 WFOR 4FL Miami                                 | 939           |
| 0132 unIDs 2,4 Mr. Bean in SS & Azteca-13           |               |
| tr 0815 K33DB 33TX Houston; KPXB-49;                |               |
|   | local off 205 |
| Es 1805 unIDs 2,4 Azteca-13, others                 |               |
| 21Es 2310 unID 2 XHQ-3 Culican relay                |               |
| unIDs 2,4,5,6 Mexico                                |               |
| 23Es 0132 KNAZ 2AZ Flagstaff                        | 1045          |
| 28tr 2305 Tropo already out to Biloxi, Houston, DFW |               |



## Western TV DX *D. Oglethorpe's report cont*

|              |      |       |       |                             |      |
|--------------|------|-------|-------|-----------------------------|------|
| 29tr         | 0005 | K33DB | 33TX  | Houston                     | 205  |
|              | 0025 | KZTV  | 10TX  | Corpus Christi              | 385  |
|              | 0030 | KEDT  | 16TX  | Corpus Christi              | 385  |
|              | 0235 | KVEO  | 23TX  | Brownsville                 | 502  |
|              |      | XHFOX | 17TAM | Reynosa                     | 513  |
|              | 0315 | XHAB  | 7TAM  | Matamoros                   | 503  |
|              |      | XERV  | 9TAM  | Reynosa                     | 513  |
|              | 0352 | KLUJ  | 44TX  | Harlingen                   | 491  |
|              | 0355 | XHVTV | 54TAM | Matamoros                   | 503  |
| 31Es         | 0000 | WGRZ  | 2NY   | Buffalo                     | 1091 |
|              | 0028 | WUND  | 2NC   | Columbia; UNC               | 1031 |
|              | 0050 | unID  | 2     | North, PBS                  |      |
|              | 0058 | KDLT  | 5SD   | Mitchell                    | 815  |
|              | 2305 | WBAY  | 2WI   | Green Bay                   | 892  |
| January 1999 |      |       |       |                             | UTC  |
| 01Es         | 1958 | XEWI  | 2DF   |                             |      |
|              |      | XHTV  | 4DF   | Mexico City; Central 4      | 948  |
|              |      | XHGCT | 5DF   |                             |      |
|              | 2000 | XHCHN | 2GUER | Supered ID                  | 1100 |
|              | 2055 | XHHHN | 2     | OAX Supered: 'XHHHNCH2'1050 |      |
|              | 2100 | XHFM  | 2VER  | Veracruz; Note#1            | 900  |
| 03Es         | 1955 | WDTN  | 2OH   | Dayton                      | 735  |
|              | 1959 | WSJK  | 2TN   | Sneedville                  | 665  |
|              | 2150 | KDKA  | 2PA   | Pittsburgh                  | 945  |
| 04Es         | 1538 | WMAR  | 2MD   | Baltimore                   | 1072 |
|              | 1540 | WSJK  | 2TN   | Sneedville                  | 665  |
|              | 1715 | unID  | 2     | Mexico to W. cooking show   |      |

Note #1 XHFM is now using calls in addition to Telever/Televisa Veracruz. Also have a new logo: Big "2" with "canal" written at top.

Jeff Kruska, 5024 S. Braxton Ave., Baton Rouge, LA 70817

|               |      |         |      |                                    |     |
|---------------|------|---------|------|------------------------------------|-----|
| November 1998 |      |         |      |                                    | CDT |
| 12 tr         | 2220 | KTAL    | 6TX  | logo, ads; mixing w/WDSU           | 265 |
|               | 2311 | WAWD    | 58FL | local ads; confirmed on trip there | 265 |
| 22 tr         | 0200 | KYPX    | 42AR |                                    | 300 |
|               |      | KLRT 16 | AR   |                                    | 305 |

### December 1998

|       |      |         |        |                           |     |
|-------|------|---------|--------|---------------------------|-----|
| 6 gw  | 2000 | WSTY-LP | 23 LA  | ID, Hammond               |     |
|       |      |         |        | Xmas parade Station #500! | 40  |
| 19 Es | 1135 | unid    | 4 SS   | weak, brief               |     |
| 21 Es | 1809 | unid    | 4,5 SS |                           |     |
| 26 tr | 2143 | WJSP    | 28GA   | GPTV                      | 390 |
|       | 2145 | WPBA    | 30GA   | program match             | 455 |
|       | 2151 | WATL    | 36GA   | local ads                 | 455 |
|       | 2152 | WNGM    | 34GA   | music videos              | 515 |
|       |      | WUPA    | 69GA   | NYPD Blue                 | 455 |
|       | 2201 | WTBS    | 17GA   | ID                        | 455 |
| 28 tr | 1652 | KFWD    | 52TX   |                           | 395 |
|       | 1655 | KPXD    | 68TX   | Pax                       | 385 |
|       |      | KDTX    | 58TX   | TBN                       | 365 |
|       | 2131 | KLRT    | 16AR   | ad for Q-100 100.3        | 305 |
|       | 2208 | KYPX    | 42AR   |                           | 300 |
|       |      | KHSX    | 49TX   | floating over WPXL        | 375 |

### January 1999

|       |      |     |      |    |      |
|-------|------|-----|------|----|------|
| 01 Es | 1401 | XHG | 4JAL | ID | 1020 |
|-------|------|-----|------|----|------|

Not much to report so far this winter season. I did make a trip over to the Destin area of FL to confirm that WAWD-58 is in fact broadcasting "Beach TV" (tourist info), and that W48BC Destin is also broadcasting the same thing. The engineer said that W48BC would eventually go away.

**Fernando Garcia**, San Salvador 415, Rincon de la Sierra, Cd Guadalupe, NL, 67181 MEXICO  
fertrtdv@sdm.net.mx

Equipment: Sony KV-27EXR15, Screened CM 7'dish 85', RG11, UA900 amp. Sony KV-13TR27, CM 1110 30', CM 8 bay UHF array 60' .1800' ASL, No re-logs in the same month, only tropo 500+ miles.

|            |           |       |              |  |     |
|------------|-----------|-------|--------------|--|-----|
| December 4 |           |       |              |  | CST |
| 1915       | KXTX      | 39 TX | Dallas       |  | 518 |
|            | KDXT      | 58 TX | Dallas       |  | 518 |
| 2000       | KDAF      | 33 TX | Dallas       |  | 518 |
|            | KTXA      | 21 TX | Fort Worth   |  | 518 |
|            | KDFI      | 27 TX | Dallas       |  | 518 |
|            | KHSX      | 49 TX | Irving       |  | 518 |
|            | KXAS-DT41 | TX    | Fort Worth   |  |     |
| 2015       | KPXD      | 68 TX | Arlington    |  | 518 |
|            | KMPX      | 29 TX | Decatur      |  | 537 |
| 2115       | KFWD      | 52 TX | Fort Worth   |  | 522 |
| 2200       | KADN      | 15 LA | Lafayette    |  | 586 |
| 2245       | KETK      | 56 TX | Jacksonville |  | 532 |
|            | KFXK      | 51 TX | Longview     |  | 557 |
| 2330       | KLDT      | 55 TX | Lake Dallas  |  | 544 |
|            | KUVN-LP   | 31 TX | Fort Worth   |  | 521 |
|            | UNIVISION |       |              |  |     |

|            |       |       |               |  |     |
|------------|-------|-------|---------------|--|-----|
| December 5 |       |       |               |  |     |
| 0245       | KWHB  | 47 OK | Tulsa         |  | 765 |
|            | KWMJ  | 53 OK | Tulsa         |  | 766 |
| 0300       | KPSG  | 43 OK | Oklahoma City |  | 706 |
|            | KAMC  | 28 TX | Lubbock       |  | 553 |
|            | KSBI  | 52 OK | Oklahoma City |  | 692 |
|            | KOPX  | 62 OK | Oklahoma City |  | 705 |
| 0315       | K69HD | 69 LA | Church Point  |  | 586 |
|            | KLBP  | 24 LA | Lafayette     |  | 567 |
|            | WVLA  | 33 LA | Baton Rouge   |  | 633 |
|            | KTFO  | 41 OK | Tulsa         |  | 766 |
|            | KOKI  | 23 OK | Tulsa         |  | 766 |
|            | KDOR  | 17 OK | Bartlesville  |  | 795 |
| 0630       | KVHP  | 29 LA | Lake Charles  |  | 530 |
|            | KLTL  | 18 LA | Lake Charles  |  | 548 |
| 0745       | WAPT  | 16 MS | Jackson       |  | 754 |
| 2130       | WLPB  | 27 LA | Baton Rouge   |  | 638 |
|            | K66FI | 66 LA | Opelousas TBN |  | 599 |
|            | WDBD  | 40 MS | Jackson       |  | 754 |
| 2200       | WGNO  | 26 LA | New Orleans   |  | 694 |
|            | WLAE  | 32 LA | New Orleans   |  | 694 |
| 2245       | WMAU  | 17 MS | Bude          |  | 697 |
| 2330       | WPMI  | 15 AL | Mobile        |  | 838 |
|            | KMSS  | 33 LA | Shreveport    |  | 615 |
|            | KLTS  | 24 LA | Shreveport    |  | 616 |
| 2345       | KASN  | 38 AR | Pine Bluff    |  | 772 |

## Western TV DX *F. Garcia's report continues*

December 8

|      |      |    |    |             |     |
|------|------|----|----|-------------|-----|
| 2100 | WNOL | 38 | LA | New Orleans | 694 |
|      | WPXL | 49 | LA | New Orleans | 688 |
| 2130 | WMAH | 19 | MS | Biloxi      | 770 |

Open Lake Charles-Biloxi

December 20

|      |            |    |    |              |     |
|------|------------|----|----|--------------|-----|
| 2030 | KBZO-LP    | 51 | TX | Woodrow      | 558 |
|      | KPTB       | 16 | TX | Lubbock      | 555 |
|      | unid ch 62 |    |    | Shop at Home |     |
|      | KCBD       | 11 | TX | Lubbock      | 555 |
|      | KLBK       | 13 | TX | Lubbock      | 554 |
|      | KTXT       | 5  | TX | Lubbock      | 558 |

2145 Open Lake Charles-New Orleans

December 21

|      |       |  |  |                  |     |
|------|-------|--|--|------------------|-----|
| 0530 | open  |  |  | Lubbock-OKC      | 553 |
|      | I got |  |  | KAUT-43, ex KPSG | 692 |

|      |      |    |    |         |     |
|------|------|----|----|---------|-----|
| 0600 | WUPL | 54 | LA | Slidell | 705 |
|------|------|----|----|---------|-----|

December 29

|      |      |    |    |                |     |
|------|------|----|----|----------------|-----|
| 0745 | WPAN | 53 | FL | Fort Walton B. | 869 |
|      | WEIQ | 42 | AL | Mobile         | 825 |
|      | WHBR | 33 | FL | Pensacola      | 838 |

Additional days of December with 500+ miles and furthest log:

8 Pine Bluff, AR 772

9 Dallas, TX 518

16 Mobile, AL 818 rare narrow duct at 6:45 AM, no more DX

17 & 18 DFW, TX 522

19 Lake Charles, LA 530

24 & 25 Dallas, TX 518 over a freeze path

26 Mobile, AL 818

28 Biloxi, MS 770

30 Mobile, AL 818

Not much time to DX or check conditions after Dec.

26 because of the birth of my son Christian.

1998 was the best for tropo thanks to exceptional conditions from mid to late Spring.

New record of number of days for a year of the following states:

AL/90, AR/33, FL/78, GA/32, IA/1, LA/183, MS/91, NE/2, NM/1, OK/30, TN/17, TX/172 (500+miles).

73's Fernando

**Victor Frank, K6FV**, 12450 Skyline Blvd, Woodside, CA 94062-4554

I received the following Christmas Present from Dennis Smith: "I can identify one of your three 'August-September misidentified or spurious' TV loggings in your December-column report, that of KFTL-64 Stockton on channel 24. There is a ch-24 translator in the Oakland-Berkeley Hills for KFTL, because of its inability (shadow area) to serve Oakland/Berkeley directly from its Mt. Diablo transmitter. I has been on for several years (since

approximately 1992). When I still lived in Chico, a friend I knew there was planning on moving to the Dublin/Danville area, as he had found half-time work each at KCSO-19 Modesto and KFTL-64 at its studios-offices in Castro Valley. In 1990, when we both left Chico, he mentioned that KFTL was planning a ch-24 translator for Oakland/Berkeley. I first noted ch. 24 on the air in 1992 while visiting a cousin in Oakland and occasionally since then while riding BART trains with a portable TV receiver. . ."

It was, however, not in the data bases kept by Fred McCormack and Doug Smith.

This Christmas vacation, we visited my son and his family in Portland. However, instead of flying, we drove--or rather I had others drive, up Highway 505/5 while I monitored with my R7100, TV converter, and small B&W monitor and logged every transmission I could hear in the TV bands using a UHF LPA I built on a PC board placed next to the back window. I hope to report on what I heard in a future column once I devise a better way of analyzing the data. Each bandscan took between 30 minutes and an hour.

Channel 55 had been one of my blank channels, so you can imagine my delight to detect an S2 video carrier on 717.2513 MHz west of Colusa. It had an unmistakable hum, and on the next bandscan near Willows was S5 and both audio and video were copied with a home shopping type of program.

So when I got home I went looking for this station and I copied them identifying as TV55 Chico with "America's Store". They also indicated that they had just come on the air and requested viewer reports and gave a phone number, which I called, and left a message on their answering machine. A few days later I was called by Matt Tuter, who indicated that they were indeed K55HR, and had a new 1 kW transmitter with antenna on the KHSL tower for 20 kW ERP.

We got to talking and he was very familiar with the Oakland channel 24 transmissions, they were licensed as an Intercity relay. However they went off the air when KGO-DT came on. (First heard here on 12/30) It fills up ch 24 with hash, amplitude rapidly falling near the channel edges. I can hear it from 528.4 to 537.5 MHz. KPIX-DT is on ch 29 and KTVU is on ch 56 (logged 1/10), but. I don't think I should count these as "ID'd" until I find some way to decode them. I noted two duplicates in December report, KBTU-LP and KMSG, so as of last report, I should be down to 67. New ones include one out-of-state DX, KREN-27 and an uID with ESPN on ch. 33, but they will wait until next month as we've just filled this page.

# EASTERN TV DX

February, 1999

Russell Miller  
HC 61, Box 86B  
N. Amity, ME 04471-9622  
email address - estvdx@ainop.com

## LOCAL TIME UNLESS OTHERWISE NOTED

Roy Barstow, P.O.Box 2488, Teaticket, MA 02536

### November, 1998

|       |      |                    |         |         |
|-------|------|--------------------|---------|---------|
| 28 Tr | 1800 | W19BM              | 19 VA   | 450     |
|       |      | W35BH              | 35 VA   | 400     |
|       |      | W45BG              | 45 VA   | 456     |
|       | 1830 | W24BI              | 24 VA   | 460     |
|       |      | W40AH              | 40 VA   | 450     |
|       |      | W41AC              | 41 VA   | 410     |
|       |      | 15,27,33,43,49     | E.VA.   |         |
| 30 Tr | 0830 | WBNG               | 12 NY   | 277     |
|       |      | WHYY               | 12 DE   | 265     |
|       | 0900 | WYDO               | 14 NC   | 562     |
|       |      | WUNJ               | 39 NC   | 660     |
|       | 0905 | W35BH              | 35 VA   | 400     |
|       |      | WUNM               | 19 NC   | 577     |
|       | 1000 | W42AE              | 42 NY   |         |
|       |      | W14AZ              | 14 NY   |         |
|       | 1100 | WWPB               | 31 MD   | 409     |
|       | 1430 | W24BB              | 24 PA t | 535,720 |
|       |      | Mentioned Hazelton |         |         |

### December, 1998

|       |      |            |       |      |
|-------|------|------------|-------|------|
| 01 Es | 1630 | WDIQ       | 2 AL  | 1112 |
| 02 Tr | 2030 | W35BH      | 35 VA | 400  |
|       |      | W24BI      | 24 VA | 460  |
|       |      | W41AC      | 41 VA | 410  |
|       |      | W44AD      | 44 VA | 410  |
|       |      | W45BG      | 45 VA | 456  |
|       | 2100 | WUNM       | 19 NC | 577  |
|       |      | WUNJ       | 39 NC | 660  |
|       |      | WYDO       | 14 NC | 562  |
|       |      | W18BS      | 18 VA | 450  |
|       |      | W62CN      | 62 VA | 450  |
|       |      | W40AH      | 40 VA | 450  |
|       | 2130 | W18BB      | 18 NC | 490  |
|       |      | WSFX       | 26 NC | 660  |
|       | 2200 | W36BK      | 36 VA | 400  |
|       | 2300 | W56CS      | 56 VA | 450  |
|       |      | WLFL       | 22 NC | 600  |
|       |      | WRAZ       | 50 NC | 600  |
|       |      | WRAY       | 30 NC | 565  |
|       | 2355 | WNCN       | 17 NC | 592  |
|       |      | WVBN-LP    | 19 VA | 460  |
|       |      | WJHJ-LP    | 19 VA | 460  |
| 03 Tr | 0015 | WJHJ-LP    | 31 VA | 440  |
|       | 0020 | WUNP       | 36 NC | 533  |
|       | 1100 | WCVE       | 23 VA | 467  |
|       |      | WVEC       | 13 VA | 450  |
|       |      | W24BI      | 24 VA | 460  |
|       |      | in all day |       |      |
| 05 Tr | 1500 | CIVQ       | 15 PQ | 361  |
|       |      | CIVB       | 31 PQ | 427  |

|       |      |            |       |       |      |
|-------|------|------------|-------|-------|------|
| 14 Tr | 2100 | WUNJ       | 39 NC |       | 660  |
|       |      | WUNM       | 19 NC |       | 577  |
| 15 Tr | PM   | E. VA Area |       |       |      |
| 18 Ms | AM   | CHAU       | 3 PQ  | Twice | 494  |
| Es    | PM   | WEDU       | 3 FL  |       | 1153 |
| 22 Ms | 0331 | CHAU       | 3 PQ  |       | 494  |
| Es    | 0630 | WCSC       | 5 SC  |       | 778  |
| 23 Ms | 0441 | CBHT       | 3 NS  |       | 408  |
| 24 Ms | 0645 | CKVR       | 3 ON  |       | 497  |
| 25 Ms | 2307 | WRBL       | 3 GA  |       | 1007 |
| 29 Es | 1458 | CUBA       | 3     |       | 1440 |
|       | 1530 | WPBT       | 2 FL  |       | 1209 |
| Ms    | 1703 | WAVE       | 3 KY  |       | 834  |

WCSC 5-SC a long hold out, was in for 10 min. on Ms tape (Es). What Luck! After adjusting one of the 14 ants. on the roof, put on Ch-3 and a cuban T P coming in. Same exact picture in April 96 photo news. Thank you Photo News. Local LP 23 WRIW RI now on Ch-50.

ETV Editor: Roy Barstow really does have 14 antennas on the roof of his house, as seen in a photo he sent me. Someday, the wrong hurricane will move up the coast, and either all his neighbors homes will be punctured with dipoles or his whole roof will land in Cape Cod Bay.

Thomas J. Yingling, Jr., 221 Pinewood Rd.,  
Baltimore, MD 21222-2345

I found some time to send in a report of some tv dx to report. Not much to report, but got an opening to northeast direction one morning. TV is Sony 8" color set with 6' CM dish and CMB-UB pre-amp.

### August, 1998

|    |                         |       |                      |  |
|----|-------------------------|-------|----------------------|--|
| 16 | 12:00 a.m. to 3:00 a.m. |       |                      |  |
|    | WABU                    | 68 MA | seen on ch. 58       |  |
|    | WXNY                    | 39 NY | Spanish music videos |  |
|    | WXNY                    | 35 NY | same as above        |  |
|    | WBNE                    | 59 CT | New Haven            |  |
|    | WBPX                    | 46 MA | Norwell              |  |
|    | WLIW                    | 21 NY | Garden City          |  |
|    | WLWC                    | 28 MA | testing color bars   |  |
|    | id'ing as WB28          |       |                      |  |
|    | WIMP                    | 20    | music videos         |  |
|    | WSBK                    | 38 MA | Boston               |  |
|    | WIPX                    | 38    |                      |  |
|    | WLVI                    | 56 MA | id'ing as WB56       |  |
|    | WTTX                    | 20 CT | Waterbury            |  |



Dave Nieman, Ho Sta Geh Rd., Rock City, NY  
14749

Equipment: Teknika 6510 tuner into a Quasar 25" TV  
(MFG. 1977) plus an ICOM IC-R7000 with TV-R7000  
TV receiver adapter. Channel Master 3617B VHF  
antenna at 15 feet AGL, on a Radio Shack rotor,  
Belden RG-6 coax feed into a Winegard FT-7600 FM  
trap (set to trap 95.7 MHz) and Winegard DA-205  
distribution amp. Antennacraft P-7 UHF antenna at  
51 feet AGL on an Alliance HD-73 rotor, Winegard  
PA-4975 preamp and Belden RG-11/u coax feed.

All underlined loggings are new. Teknika for VHF and  
ICOM receiver for UHF reception.

#### October, 1998

24 Es 2108 KGFE 2 ND 1037

#### November, 1998

28 Tr 1230 WRAY 30 NC 427

29 Tr 0928 WFXR 27 VA 344

0959 WBRA 15 VA

1000 {WPRX} 38 VA

ex. WEFC (PAX-TV)

1000 WBSN 47 VA 416

#### December, 1998

06 Tr 0900 WSPX 56+ NY 151

Syracuse (PAX-TV) new-to-the-air

#### Russell Miller, N. Amity, ME

Equipment: Two Low Band Log-yagis 5' above  
ground. Horizontally polarized, horizontally separated  
by 14' on horizontal PVC boom on rotator and wood  
stand. Equal length coax from "in phase" baluns to  
combiner. Titan II Pre-amp 23db gain.

Time underlined = multiple times seen this date

#### December, 1998

14 Ms 0300 CIII 2 ON 486

0316 WUND 2 NC 816

0359 WTWO 2 IN 1086

0509 Shopping 13 weak

16 Ms 0624 KYW 3 PA 550

17 Ms 0632 WTKR 3 VA 750

0710 WWAY 3 PA 966

18 Ms 0242 CBVT(t) 3 PQ

Mont. SRC/CBC slide

18 Es 1602 WCBF 2 SC 1111

1801 WESH 2 FL 1359

19 Ms 0505 CBVT(t) 3 PQ

0600 WTKR 3 VA 750

20 Ms 0303 WTKR 3 VA 750

0510 CHAU 3 PQ 200

21 Ms 0154 WFSB 3 CT 373

0500 WTKR 3 VA 750

0500 WWAY 3 NC 966

0521 CBHT 3 NS 225

0534 CKVR 3 ON 583

0629 WPSX 3 PA 550

#### WPSU FM Promo

22 Ms 0259 WTKR 3 VA 750

24 Ms 0223 CBVT (t) 3 PQ

0644 WTKR 3 VA 750

0646 WVMT 3 MI 911

0646 CBOT(t) 3 ON

25 Ms 0100 WPSX 3 PA 550

0143 WSTM 3 NY 453

0225 CKVR 3 ON 583

0343 CBVT(t) 3 PQ

26 Ms 0313 WVMT 3 MI 911

0443 WTKR 3 VA 750

0554 MCTV 3 ON Slide

0635 KYW 3 PA 550

27 Ms 0234 WAVE(t) 3 KY

0313 CBVT(t) 3 PQ

0657 WTKR 3 VA 750

28 Ms 0327 unID 3 Amer/Store

0518 CKVR 3 ON 583

0519 CHAU 3 PQ 200

mxing w CBHT (twice 1 min. apart)

29 Ms 0525 WTKR 3 VA 750

31 Ms 0649 KYW 3 PA 550

#### January, 1999

02 Ms 0519 WTKR 3 VA 750

0600 CTV 3 ON

1202 WKYC 3 OH 748

03 Ms 0348 MCTV 3 ON

0351 CBVT(t) 3 PQ

0405 WTKR 3 VA 750

0614 CBHT 3 NS 225

1305 WVMT 3 MI 911

1532 WKYC 3 OH 748

Seen 40+ times this date

04 Ms 0626 WFSB 3 CT 373

0518 WKYC 3 OH 748

05 Ms 0214 WKYC 3 OH 748

0312 WFSB 3 CT 373

06 Ms 0229 CHAU 3 PQ 200

0534 WKYC 3 OH 748

0609 KYW 3 PA 550

0651 WTKR 3 VA 750

07 Ms 0345 unID 3 Amer/Store

0455 CBOT(t) 3 ON

3/4s CBC not N.S. (weak)

0507 WKYC 3 OH 748

0521 CHAU 3 PQ 200

0648 KYW 3 PA 550

09 Ms 0635 WTKR 3 VA 750

10 Ms 0240 WTKR 3 VA 750

0502 WBTW 3 NC 1003

Comments: Local Woodstock NB Ch-3 is so strong it  
even hinders my Es reception. The Low Band stack  
attenuated Woodstock too only about 30dbs above  
the noise level. However, by rotating my CM 1110,  
some 60' away, to specific bearings, it nulls Ch-3  
Woodstock to pure snow on the Low Band stack.  
Different nights require different bearings of the CM  
1110. The stack stays pointed W-SW. Do we have  
any rocket scientists who can explain how this  
happens?

# ANTENNA BASICS

from *Channel Master®*

## BASIC TV ANTENNA TYPES

TV antennas can be grouped in four major functional categories: VHF/FM, UHF, UHF/VHF/FM, and FM only combinations.

### VHF and FM Antennas LIKE CM CROSSFIRE

Most VHF (Very High Frequency) antennas are engineered to receive TV channels 2 through 13. They also will receive the FM radio band, which is located between TV channels 6 and 7. FM only antennas are available also (Figure 1-6). Channels 2 through 6 are known as the low band. Channels 7 through 13 are referred to as the high band. Some VHF antennas are designed to receive only one band, either the low or high band. Antennas designed to receive both the low band and the high band are called VHF/FM broad-band antennas (Figure 1-2).

TV channel 1 "disappeared" in the early days of TV because of a change in frequency assignments by the Federal Communications Commission (FCC). A reshuffling of FM, Amateur, and other bands removed TV from the frequencies previously reserved for TV channel 1. Because the other 12 TV channels were already numbered 2 through 13, the channel 1 designation simply was dropped.

### UHF Antennas LIKE CHANNEL MASTER UHF ANTENNAS

UHF (Ultra High Frequency) antennas are designed to receive TV channels 14 through 69, the UHF TV band. The UHF TV band originally extended from channel 14 to channel 83. However, the FCC now has reassigned channels 70 through 83 (also known as the translator band) to mobile communications use. Although there still are many antennas capable of receiving all 82 channels, the translator band (former TV channels 70-83) is useless to the TV viewer. UHF TV antennas come in a wider variety of shapes and sizes than VHF/FM antennas. The wider variety of UHF designs (Figure 1-3) is possible because they don't require the long elements that VHF/FM antennas do.

### Combination UHF/VHF/FM Antennas

#### LIKE C.M. UHF ANTENNAS QUANTUMS, CROSSFIRES, ADVANTAGE

Combination UHF/VHF/FM TV antennas are designed to receive both the UHF and the VHF/FM bands. Although the use of separate antennas for each band is ideal for peak reception, high-performance UHF/VHF/FM combination models are readily available and are becoming increasingly more popular. Examples of combination UHF/VHF/FM antennas are shown in figures 14 and 1-5.

## HOW TO SELECT THE RIGHT ANTENNA

There are many bands and hundreds of TV antenna models available. However, choosing the right one is relatively easy if you are aware of a few basic reception and TV antenna characteristics.

First, "good reception," or production of a snow-free color TV picture, requires a signal level of about 1000 microvolts (pV) = 1 millivolt (mV). To deliver this signal level to the receiver, the antenna requires a certain antenna gain. The amount of gain required is dependent on the distance between the station's transmitting antenna and the receiving antenna. The required type of antenna therefore depends on the channels to be received and the distance and direction of the customer's home from the transmitting antennas. These facts are readily available for any area but be sure your information is accurate and complete. Call a local TV station if you have questions. Most TV stations are willing to help TV antenna installers because they also benefit from the improved reception to the station's viewers.

Be sure to discuss with your customers the number and types of channels that are receivable. This may sound basic, but your customers may not understand the difference between VHF/FM and UHF. They also may not be aware that with the right equipment they may be able to receive out-of-Town channels, some of which may carry sports programs that are locally blacked out. The most important points to remember when selecting an antenna are its gain, sensitivity classification, directivity, and front-to-back ratio.

## Gain

The gain of an antenna indicates the relative strength of signal it can deliver to a receiver. Most manufacturers list the gain of their antennas in decibels (abbreviated "dB"). The higher the antenna gain, the stronger the signal at the antenna output terminals. In most cases the larger the antenna, the higher the gain.

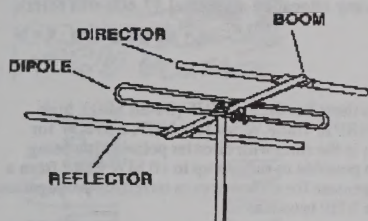


Fig. 1-1. The principal parts of a basic Yagi-type TV antenna.



Fig. 1-2. A VHF/FM broadband TV antenna.

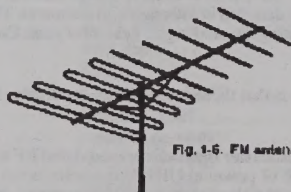


Fig. 1-5. FM antenna.

Fig. 1-3. Various designs of UHF TV antennas.

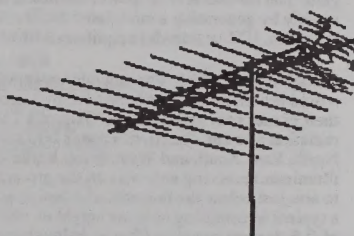
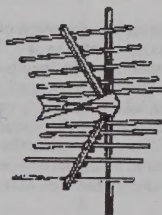


Fig. 1-6. Channel Master® CROSSFIRE® UHF/VHF/FM

**YOUR PUBLISHER WOULD LIKE TO APOLOGIZE  
FOR THE LATE DELIVERY OF THE JANUARY  
VUD! WINTER WEATHER DISASTERS  
NOTWITHSTANDING,  
WE'RE HOPEFULLY BACK TO NORMAL DELIVERY  
THIS MONTH! STAY TUNED, AND STAY WARM!**



## ET Detection of Earth TV Unlikely

by Dale Lamm ([DaleLamm@worldnet.att.net](mailto:DaleLamm@worldnet.att.net))

Recently on the SETI email discussion list there has appeared some good dialog regarding possible detection of Earth TV broadcasts at ET locations. [These discussions were stimulated by the question: could beings on worlds 40 light years distant *really* be viewing I Love Lucy? -- Ed.] This is not a novel idea. An older book titled Communication With Extraterrestrial Intelligence (editor Sagan, 1973, MIT Press, ISBN 0-262-69037-3) mentions the possibility of eavesdropping by ETI in the chapter *Techniques of Contact*. I have seen this idea mentioned many times in other writings.

Discussion on the list has been centered on detection of UHF television broadcasts, which in the US encompasses the band 470-806 MHz (minus the astronomy allocation at channel 37, 608-614 MHz). Why has interest been focused on UHF television?

Some possible reasons:

In the US, all analog television channels are split across three bands; low VHF (54-88 Mhz), high VHF (174-216 MHz) and UHF. Maximum permitted EIRP is 100 KW for low VHF, 316 KW for high VHF, and 5 MW for UHF. Horizontal polarization is the rule, with circular polarization being allowed at the broadcaster's discretion. It would thus be possible to radiate up to 10 MW EIRP from a single facility. The varied limits across bands help compensate for differences in terrestrial propagation, in theory placing the UHF broadcaster at parity with the VHF broadcaster.

Because UHF TV stations radiate more power, and because the UHF band is nearest to the so called "microwave window" of 1.2-50.0 GHz, it would seem to some that these broadcast signals have the best chances of being detected at astronomical distances. There are hundreds of UHF TV stations in the US alone, each radiating day and night, year after year. Could these act as unintentional beacons to an interested ETI?

This writer's opinion is that there are far better candidates for Earth's "unintentional beacons". Here are my reasons:

One goal of a TV broadcaster is to deliver modulated RF as cheaply as possible to as many receivers as possible. Five MW of power at UHF frequencies is not easy to come by. The typical way of doing so is to generate 60-240 KW of power at the transmitter, then excite an antenna having 10-14 dB of gain. The 60-240 KW of power needed at the transmitter output is obtained with much difficulty, usually by generating a modulated carrier at low levels and passing that through class-A vacuum tube (klystron, IOT or tetrode) amplifiers with attendant low efficiencies.

Electricity is not free. The engineer responsible for design and/or operation of a transmission facility would not think of squandering RF by intentionally directing it into the sky. The TV audience makes their homes near ground level. Gain of a TV broadcast antenna is obtained by concentrating the radiation into one direction. From a bird's eye view, the signal radiates in all directions, equally well North, East, South and West. From a side view, the main lobe is carefully engineered to equally illuminate receiving antennas on the ground, both close in and near the horizon. What is often done is to aim just below the horizon, and design in some null-fill to accommodate the close in receivers. From a typical transmitting antenna height of 1000 feet, the desired beam tilt will be something on the order of 0.5 degrees negative (that is, below horizontal). Any energy radiated above the horizon is wasted, as far as the broadcaster is concerned.

In an imperfect world, some energy does radiate above the horizon, but this side lobe is much reduced in amplitude. Likewise, some of the energy striking the ground reflects back into space, but it will be scattered and specular.

There are better "unintentional beacon" candidates for study and speculation. Consider SPASUR (space surveillance radar) at 217 MHz, or varied other defense radars operated by the military (see the Raytheon home page for the names of some of these systems). Perhaps even HARRP transmissions (2.8-10.0 MHz at 3 MW+) may be detected at great distances, although the frequencies employed are far from ideal.

Some of you might be interested to know that the US has already orbited what amounts to a sensitive spectrum analyzer which has observed the Earth. Project Blackbeard was established to study TIPP (trans ionospheric pulse pairs), events possibly associated with lightning storms. Frequencies ranging from 25-100 MHz are observed. Spectrograms may be viewed on the project's home page (<http://sst.lanl.gov/nis-projects/blackbeard>). They show strong RF carriers of Earth TV and FM broadcasts. Keep in mind that these carriers have been detected from a satellite a few hundred miles above the Earth, not from interstellar distances.



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